

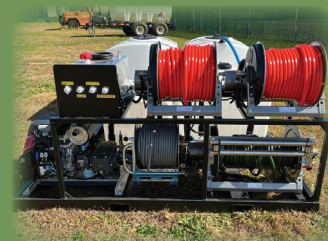
Mid-Atlantic SERVICES

[410] 398-4142

2026-2027



Liquid Handling
Equipment Specialist
Since 1986



1-800-637-0050
www.masspray.com

Celabrating 40 Years

Welcome to the 2026 **Mid-Atlantic Services Liquid Handling Parts and Equipment Catalog**, and to a milestone that means a great deal to all of us: **40 Years Strong**.

Mid-Atlantic Services was built on hard work, problem-solving, and commitment to treating customers like partners. I've been proud to be part of this company for decades, and in 2017, when I had the opportunity to take the lead, I made it my mission to carry forward everything that made MAS special -- while continuing to grow, innovate, and serve you better every year.

One of the greatest joys of this journey has been working side-by-side with my son, Sebastian. Many of you know him from the shop -- he's the creative force behind a number of our custom builds and improvements. His progressive approach and willingness to try new technologies have helped shape the future of our company. A few years ago, he even designed and built our CNC plasma table in-house, allowing us to mass-produce precision parts quickly and efficiently. His energy and ingenuity are a big part of why Mid-Atlantic Services is stronger than ever.

This catalog reflects the same values we've stood by since 1986: reliable equipment, thoughtful design, and practical solutions for agriculture, lawn care, golf courses, pest control, and highway maintenance -- along with full line of high-pressure power washing equipment. Inside, you'll find not only trusted liquid handling products, but also custom-built sprayers, applicators, and components created right here in our shop to meet your exact needs.

What remains unchanged, even after 40 years, is our dedication to exceptional service. I've always believed in doing things the right way -- with attention to detail, honesty, and genuine desire to help people succeed. It has been my privilege to get to know so many of you personally over the years, and I am grateful for the trust you place in us.

Thank you for being part of our story -- past, present, and future. Your support is the reason we're able to celebrate four decades of craftsmanship, innovation, and partnership.

Here's to **40 years strong**, and to everything we'll build together in the years ahead.

Sincerely,

John Haase

Owner, Mid-Atlantic Services

www.masspray.com

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Custom Drone Trailer Builds



Options:

- ▶ 100-500 gallon water tanks
- ▶ 15-80 gallon inductor tank with stand
- ▶ Pump with stand, valves, and motor (110 volt or 12 volt)
- ▶ Spring loaded retractable Hannay Hose Reel
- ▶ 1" Dura Meter
- ▶ More tank sizes available
- ▶ Honda motor setup with centrifugal pumps available

Not sure what you want? Give us a call and we can help with your specific build.



FIELD PRO LIQUID APPLICATOR

AGRICULTURAL



- ▶ Available with 12.4 x 28, 12.4 x 38 tall tires or 12.5L-15 6ply.
- ▶ Now available with 45', 50' and 60' hydraulic folding & level booms. A full 28" of vertical travel at your fingertips
- ▶ 500, 750, or 1,000 gallon Tank
- ▶ CDS -John Blue Metering Pump or Hypro Centrifugal w/Radar ground Speed Controlled pumping systems to choose from
- ▶ 50 gallon Rinse out system leaves rinseaid safely in the field
- ▶ Hypro's 5.5 gallon chemical inductor
 - ▶ Fast loading design
 - ▶ Jug Rinse out device
 - ▶ Even handles dry & flowables



FIELD PRO LIQUID APPLICATOR

STANDARD FEATURES: 500 GALLON

- ▶ Super Heavy Duty Frame Featuring Structural Steel Members, Fully Adjustable Hitch, & Adjustable Tread Width
- ▶ 500 Gallon Polyethylene Tank
- ▶ **John Blue Ground Driven Pump**
- ▶ Separate Sparger Agitation System w/ Ace Hydraulic Pump
- ▶ 43' Breakaway Truss Boom w/ 30" Spacing Package, & 3/4" Hose
- ▶ Spraying Systems Chem-Saver Diaphragm Check-Valve Nozzle Bodies w/ Quick Jet Caps
- ▶ 12.5 L x 15 - 8 Ply Tires
- ▶ Ground Driven, Positive Displacement Metering Pump
- ▶ Application Rates from 8-80 GAL/ACRE with Higher Rates Available
- ▶ Accurate Rates Regardless of Variations in Ground Speed During Applications
- ▶ Pump Used with Hydraulic Press wheel for Easy-on, Easy-off Operation

STANDARD FEATURES: 300 GALLON

- ▶ Super Heavy Duty Frame Featuring Structural Steel Members & Adjustable Tread Width
- ▶ 300 Gallon Polyethylene Tank
- ▶ **John Blue Ground Driven Pump**
- ▶ Separate Sparger Agitation System
- ▶ 30' Breakaway Boom w/ 20" Spacing Package & 1/2" Boom Hose (3/4" available)
- ▶ Chem-Saver Check-Valves Nozzle Bodies w/ Quick-Jet Caps
- ▶ 12.5 L x 15 - 6 Ply Tires



Field Pro 500

JOHN BLUE

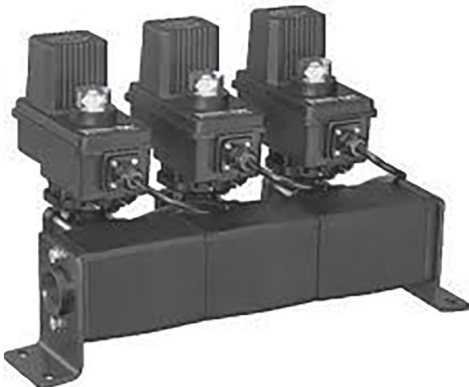


Field Pro 300

OPTIONAL FEATURES:

- ▶ RHS 14 Gal. Foam Marking System
- ▶ Hydraulic Folding Booms
- ▶ 2-way Boom Shut-Off System
- ▶ Chemical Inductor
- ▶ P.T.O. Driven Agitation Pump
- ▶ Spraying Systems Turret Nozzle Bodies
 - w/ Rotating Head & Triple Nozzles
- ▶ 4" Liquid-Filled Gauge w/ Saver

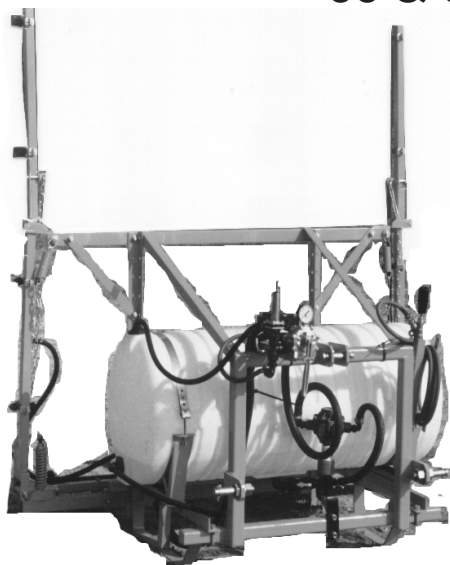
443BEC-44T4T-COC



- *22 GPM, 0.7 second shutoff fully open to close
- *Quick, simple plumbing of up to five electric ball valves
- *Flexible inlet and outlet connection options
- *Easy mounting with built-in brackets
- *Maximum pressure rating of 300 psi (20 bar)
- *Flow rate of 26 GPM (98 l/min) with 5 psi (0.34 bar) pressure drop
- *Incorporates an internal resettable fuse
- *12 VDC Operation

3-PT. HITCH MOUNTED SPRAYERS

55 & 85-GALLON SPRAYER WITH 15' BOOM



- ▶ 55 Gal base unit w/ frame & poly tank
- ▶ UT-509 15' boom package w/ 9 nozzles
- ▶ 85 Gal base unit w/ frame & poly tank
- ▶ 7700N Hypro roller pump w/ AA17L Manual Boom Control
- ▶ Ace Hyd. Centrifugal Pump w/ Teejet AA17L Manual Controller
- ▶ R-150-15 15' boom w/ breakaway hinge
- ▶ QJ15 x 050-20 15' boom fittings pkg. x 20" spacing
- ▶ R-15-20 20' boom w/ breakaway hinge
- ▶ QJ20 x 050-20 boom fittings pkg 20' x 20" spacing
- ▶ Teejet AA43H-AL6 Trigger Jet Gun w/ 20' hose
- ▶ Add for 7700XL Roundup Ready Pump
- ▶ Add for Teejet AAK744-100L-3 Controller & AA144P-3
- ▶ Add for 110 gal Tank
- ▶ Add for 150 Tank & Frame

- ▶ Tank sizes available 55 gal.-300 gal.
 - ▶ Boom widths 21'-60'
 - ▶ Full line of pumping systems available: Hypro, Ace PTO or hydraulic
 - ▶ TeeJet Monitor optional
 - ▶ Cat. I or II Hitch
 - ▶ Heavy-duty structural frames
 - ▶ Breakaway boom hinges
 - ▶ TeeJet Quick Jet nozzle system & Chem Saver diaphragm
- Check on all boom configurations



250-GALLON SPRAYER WITH 45' BOOM

SIDE MOUNT AND FRONT MOUNT TANKS



HIGHLIGHTS

- ▶ Rugged 7" square tube mounting
- ▶ High clearance for crop protection
- ▶ 200 or 260, 300 and 400 gallons per side. 300 and 400 gallons on front
- ▶ Side mount tanks can be oriented front to back or side to side (Front to back provides much better visibility)
- ▶ Tanks adjustable in and out and front to back
- ▶ All tanks are height adjustable
- ▶ Hosing protected by routing through 7" square tubing
- ▶ Safety step provided for easy and safe cab entry
- ▶ No modification required to tractor step
- ▶ One man mount / dismount by utilizing optional jack stand kit
- ▶ Front mount allows weight bracket to be left on if desired

TRACTOR MODELS FITTED

- ▶ John Deere 8000 Series, 7000 Series, JD50, 55, 60 Series
- ▶ Case IH Magnum
- ▶ Case IH Maxxum (side mounts only) Ford Genesis Series



MX w/Front Duals



UNVERFERTH TOOLBARS

AGRICULTURAL



AT3015

High Acreage Precision Applicators

Designed and built to rugged unverferth standards, our all new AT3015 Liquid Applicators are ready for your operation... just what you would expect from the market leader.....Unverferth

Rugged Design + High Acreage Precision = Unverferth

Advanced Technology

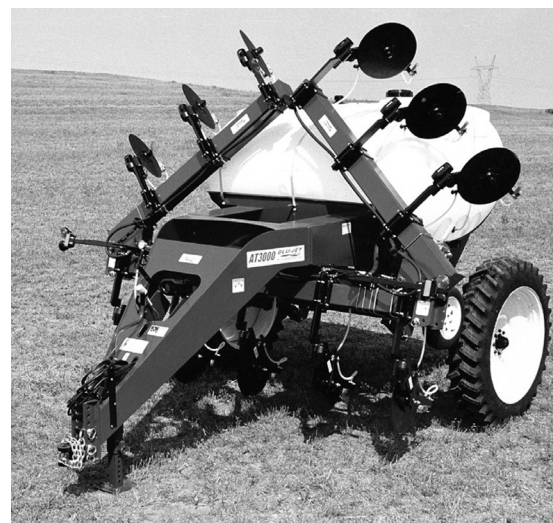
Workhorse In All Terrain Fertilizer Injection Technology

Rugged 7 x 7 Front Mount Toolbar

- *Heavy duty three section and five section front mount toolbars provide high strength and ultimate flexibility for uneven fields.*

Specifications:

Row Spacing	11R30	13R30	11R30/15R30
(9 & 11 row wide soacings also available)			
Mainframe/Hitch	Heavy Duty Integrated welded 3/8" plate		
Toolbar 7 x 7 tubular	3 section	3 section	3 section
Automatic Gull Wing	N/A	N/A	Standard
Wing Flex	+7 Degrees	+7 Degrees	± 7 Degrees
Wheels & Tires on 120" Tread (30" Rows)	12.4 x 38, 14 ply	12.4 x 38, 14 ply	320/85R38
High Axle Clearance	31"	31"	31"



► **High Flotation Tires**

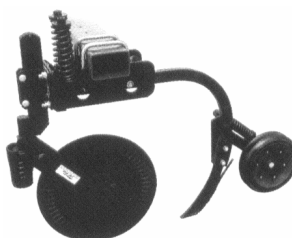
Large diameter, large footprint tires provide minimum soil compaction

UNVERFERTH TOOLBARS



LAND RUNNER SERIES 31' DOUBLE TOOLBAR

- ▶ 4" x 6" Double tube frame
- ▶ Available sizes, 21', 27', 31', 37' and 41'
- ▶ Wings fold 130° for maximum transport, safety
- ▶ HD edge bent shanks w/spring cushion
- ▶ Swing-slide hitch standard
- ▶ Hydraulic fold standard
- ▶ 5 Year frame warranty

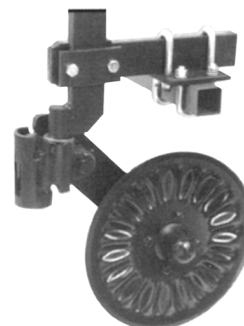


1¼ x 2 edge bent shank with rigid or spring cushion design gives precise coulter alignment.

Wheel seal ensures sealing of ammonia in tough conditions.

Unverferth Super 1200 Coulter System

- ▶ 20" Super Flex 1200 Spring Loaded Coulter For 4" x 4" Square Bar (Does not include spring tine).
- ▶ Spring loaded for protection with 1200 pounds of residue slicing pressure.
- ▶ Compact design & construction.
- ▶ Ideal for use with liquid manure injectors, chisel plows, field cultivators, anhydrous applicators and planters.



AP2840

Replacement 20" fluted Coulter blade, 8 hole

TRACKMASTER II™



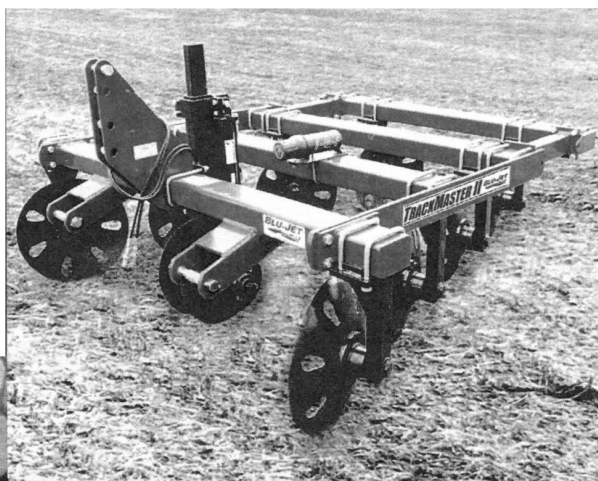
AGRICULTURAL

THE MOST VERSATILE TRACK CLOSER ON THE MARKET

Easy to Use - Without Breaking the Bank

The BLU-JET TrackMaster II's Guide Cone, which provides Automatic Centering and Automatic Depth Control, and adjustable width discs make it extremely user friendly.

A variety of bolt-on options allow owners the opportunity to customize TrackMaster II to fit their requirements, without having to pay for extra items they don't need.



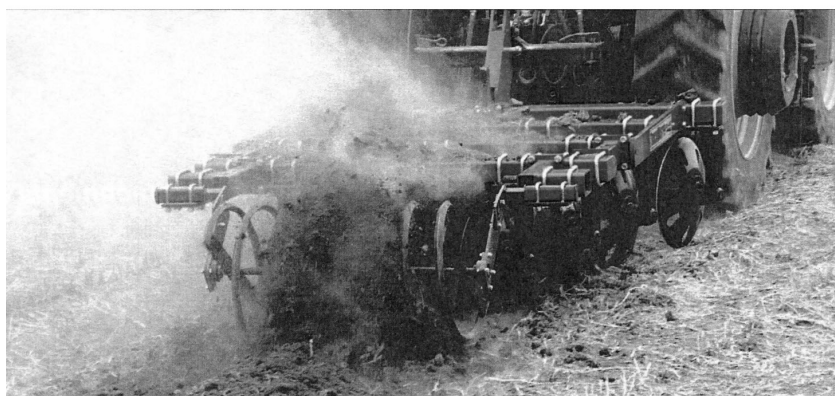
UNVERFERTH

TRACKMASTER II™

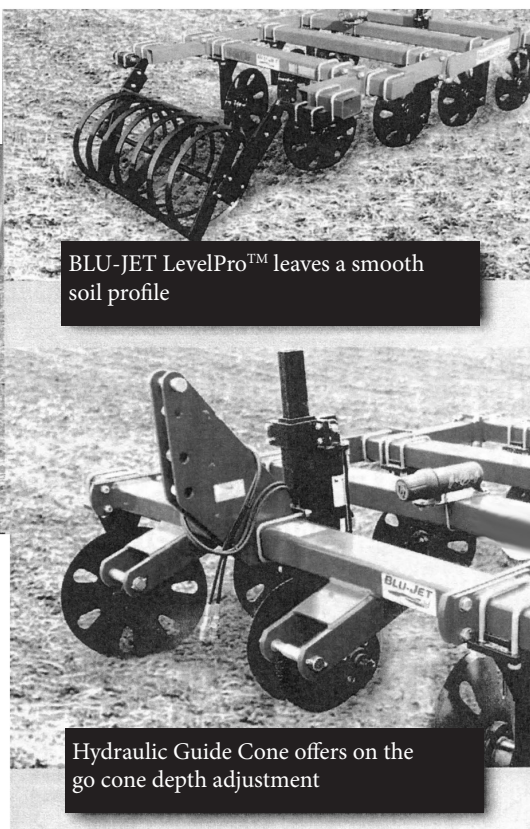
Field Proven Performance Amplified throughout Expanded

Since 1993 BLU-JET TrackMaster has been adding efficiency to farming operations by providing a tough, simple, low horsepower tool for elimination center pivot irrigation tracks. It is known throughout the industry for its ovate "teardrop" blades, which reduce mud buildup, and the "vee" pattern in which they are placed. TrackMaster II builds upon this unparalleled "track" record by accommodation an extended number of bolt-on attachments. These additional attachments make TrackMaster II the most adaptable track filler on the market, allowing you more control over working width, working depth, amount of soil moved into the track, firmness of the filled area, and smoothness on top. TrackMaster II can now also be used by those needing to fill larger trenches, such as companies that install Drainage Tile Lines.

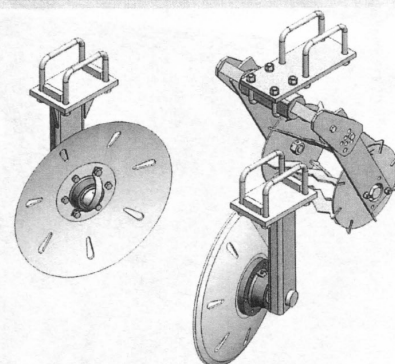
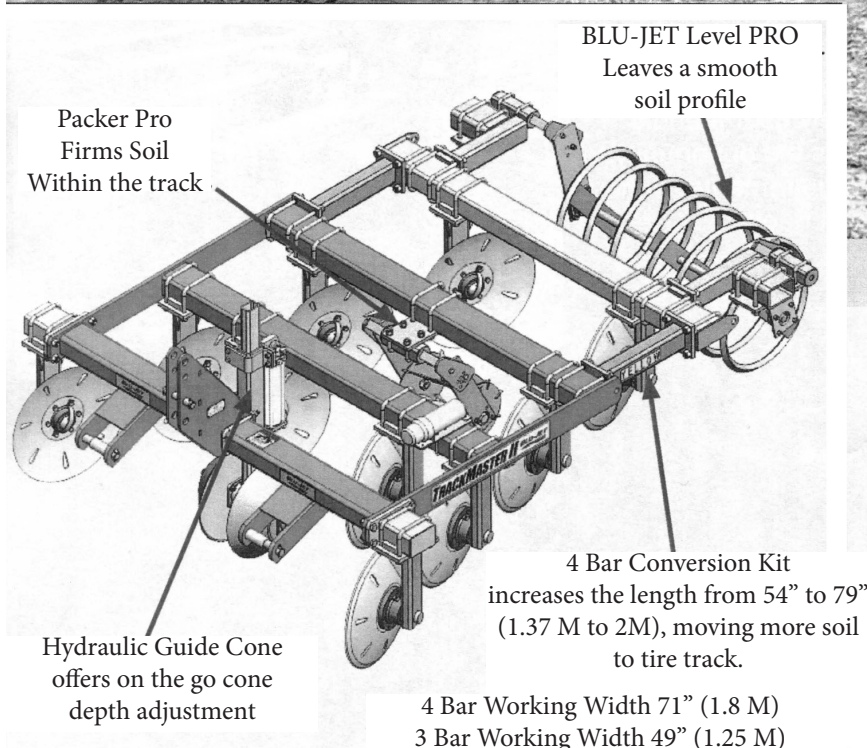
Optional Attachments



BLU-JET LevelPro™ leaves a smooth soil profile



Hydraulic Guide Cone offers on the go cone depth adjustment



PackerPro™ firms soil within the track



GROUND DRIVES

CDS-JOHN BLUE

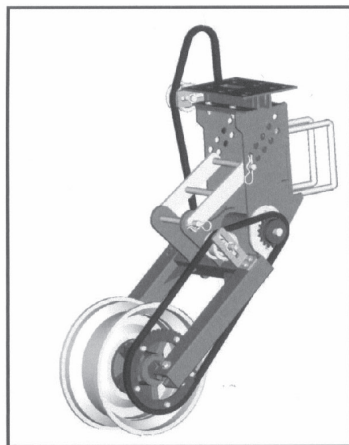
Ground Drives - DRV

Make Your Fertilizer and Chemical Applications Simple - CDS - John Blue Ground Drives - DRV

The CDS-John Blue Family of Universal Drive Assemblies - DRV's make the installation of ground driven pumps on applicators and planters simple. Ground driven pumps have proven they are the most reliable, accurate method of applying liquid fertilizer without exception: **Now bolt it up quickly and easily!**

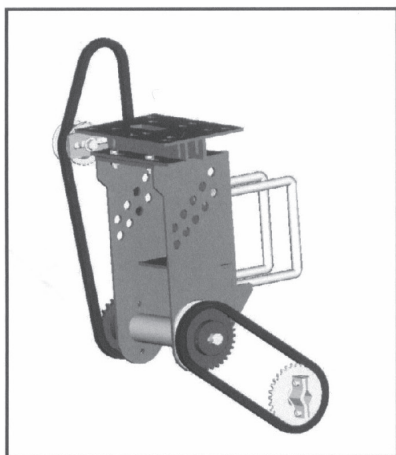
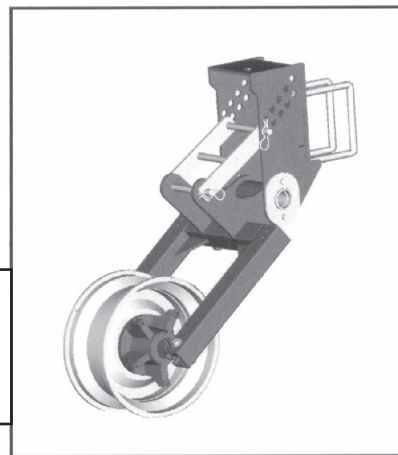
The CDS - John Blue New Ground Drives (DRV) make the installation of the best now easier with standard sprockets and mounting that fit most applicators and planters with the application rates you need.

The piston-metering pump is the standard for accuracy due to the positive displacement ground driven design, which maintains a constant rate per acre as the ground speed varies. This is accomplished mechanically without any expensive and difficult field-repair electronics.



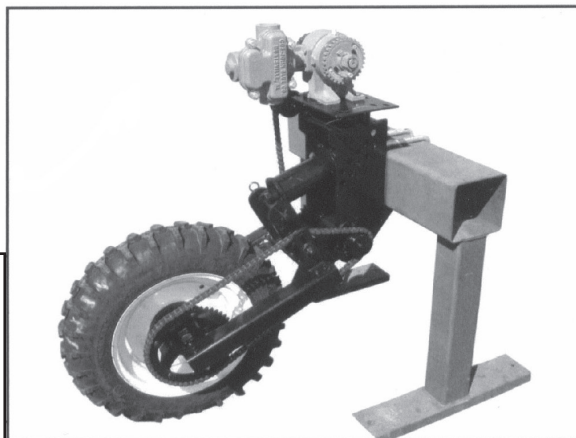
DRV-3000
Ground Drive with pump mount—fixed height adjustment mechanism (10 positions)

DRV-3100
Gauge Wheel only—fixed height adjustment mechanism (10 positions)



DRV-3200
Universal Mount-Pump mount and jackshaft for planter hex shaft drive Applications

DRV-3300
Ground Drive with pump Mount-spring loaded Adjustment mechanism



Order U-bolts separately

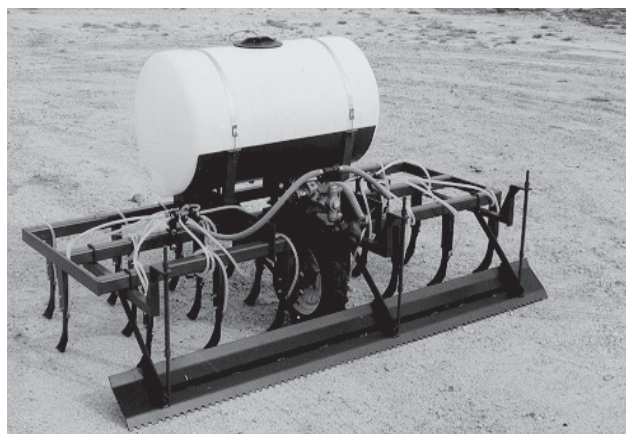
FUMIGANT EQUIPMENT

MODEL F-3310

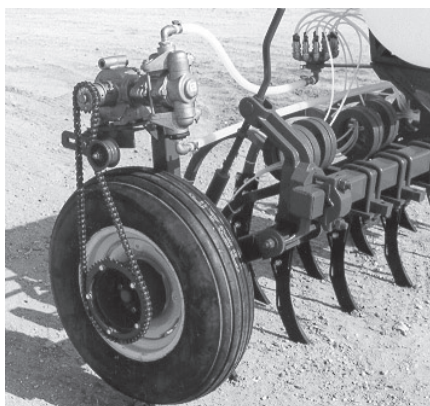
Super Duty Soil Fumigant Applicator

1-14009 shown with optional bed leveler

- ▶ Triple 10' x 3" Tool bar & Cat. II Hitch
- ▶ 21 Fixed Knives on 6" spacing for even coverage
- ▶ Tank sizes available from 55 gallon to 300 gallon
- ▶ Bullet Proof accuracy with Famous John Blue ground driven pump
- ▶ Self standing design for easy transport
- ▶ Add per 6" of width
- ▶ Add for 300 gallon poly Tank
- ▶ Double tubes on knives, double check valves and orifices standard
- ▶ For coil shank with bolt on clamps add



Fumigant Parts	
LS075-80	New 3/4" Poly Line Strainer w/ reinforced stainless screen
113842	Repair Kit for LM-2455-U Pump
L-1095-U	Repair Kit for L-1094-U Pump
115788-U	Repair Kit for NGP-6055-U



JOHN BLUE MODEL NGP-6055

- ▶ Ground driven metering pump
- ▶ Positive, accurate rates regardless of groundspeed
- ▶ Pump output 0 - 25.7 gallons/minute
- ▶ Rates to 120 gallons/acre on 88 inch swath

SKID MOUNTED UTILITY SPRAYER



Mid-Atlantic's skid unit easily mounts into the back of most turf utility vehicles and can be equipped for turf or tree work.

Many pump options are available including less expensive roller pumps to high pressure diaphragm units.

You will find our unit durable and easily serviceable.

100 GALLON TURF SPRAYER

- ▶ Heavy duty skid unit to mount in back of utility boxes
- ▶ 15' and 20' boom available
- ▶ Electric Boom Lift available
- ▶ Quick Jet nozzle bodies and Chem Saver check valves
- ▶ Heavy duty breakaway hinge system
- ▶ Honda engine driven Hypro 1537 centrifugal pump
- ▶ Teejet 844 monitor with ground speed control (Raven, Micro-Trak optional)
- ▶ Jet agitation
- ▶ Hose reel optional
- ▶ Easy boom height adjustment
- ▶ 100 gallon poly tank with 10" fillwell and basket

50 GALLON SKID MOUNTED SPRAYER

- ▶ Hypro D19 Diaphragm pump
- ▶ w/3 HP Honda Engine
- ▶ 6 g/m, - 280 psi max
- ▶ Booms to 15'
- ▶ 200' Hose Reel



150 GALLON SKID MOUNTED SPRAYER



PGI50

150 Gallon Skid Mounted Sprayer

150 gallon oval poly tank w/deep sump
 Available w/2" Sparger tube or dual jet agitation
 20' self leveling boom w/ 3/4" EPDM hose
 20" nozzle spacing, TeeJet Quick Jet nozzle bodies

Pump Options:

- ▶ Hypro Centrifugal w/5 .5 HP Honda Engine
- ▶ Hypro Centrifugal w/hydraulic motor drive
- ▶ Diaphragm pumps w/gas engine
 - rates from 9 g/m to 28 g/m
 - pressures from 250-550 psi

Control Options:

- ▶ Manual speed and pressure control
- ▶ Electric operated boom & pressure valve
- ▶ Electronic radar or magnetic speed control.

Hose Reel Options:

- ▶ Manual
- ▶ Electric rewind
- ▶ Up to 300' of 1/2" ID hose capacity

Sprayer is available as a chassis mount unit or can slide in the cargo bed
 200 gallon Tank available
 Basic unit w/ 150 gal. Tank, 20' boom, hydraulic drive pump
 Electric Boom Lift Optional

MIKCO 50 UTILITY SPRAYER

50 GALLON TRAILER MODEL

Ideal for lawn and garden use. Equipped with 15 x 6:00 turf tires, 12 volt demand pump, and handgun with 20' hose, 60" spray boom. Assembled.

MODEL UT50-EBC - 50 GALLON SKID UNIT

Can be transported anywhere, with 3HP gas engine, 4 roller Hypro pump (9.2 gal/min/100 psi) handgun, regulator, and 20' of hose.

UT-30

30 gallon tank, skid, pump mount, and control stand.

UT-50

50 gallon tank, skid, pump mount, and control stand.

UT50-G

50 gallon tank, frame & stands only for Utility Vehicle.

UT-512

12 volt Dia.pump system (30 psi, 1.8 gpm), plumbing, handgun and nozzle with 20' hose. Add for 3 g/m Pump & AA43LA gun

UT-504HXL

Hypro roller pump system (9gal/min - 100 psi) with 5.5HP Hypro engine, pressure regulator, fittings, control valve, handgun and gauge.

UT-501

Tow package with 15 x 6.00 tires, axle and tongue.

UT-560

60" Boom package with 3 flat fan nozzles, Quick jet nozzle bodies, hardware and fittings.

UT-596

Boom extensions to 100" for 5 flat fan nozzles, w/break away hinge, hardware and fittings,must order UT-560 above

UT-507

12' Boom package with 7 flat fan nozzles, folding boom arms, hardware and fittings, and Teejet Quick Jet nozzle bodies and caps.

UT-505

Reel Mount, 12" Reel



MODEL UT50-EBC



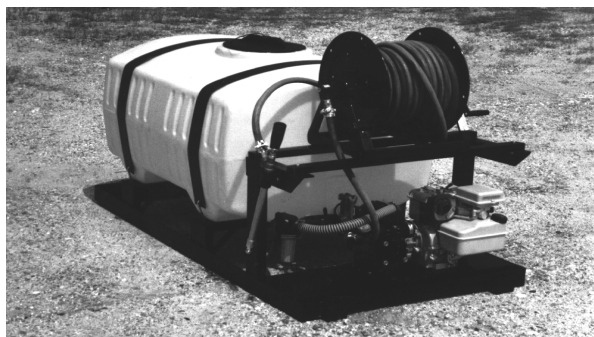
UT50-G



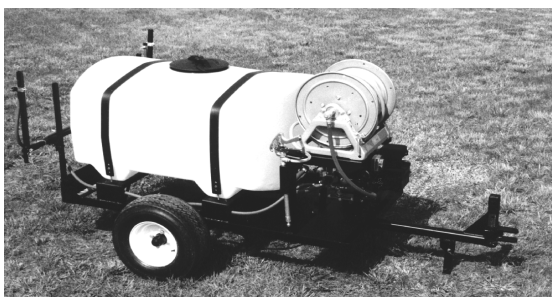
50 GALLON PEST CONTROL UNIT

TOWED AND SKID MOUNTED SPRAYERS

MIKCO 100 - 200 GALLON UTILITY SPRAYERS	
PART NO.	DESCRIPTION
UT-100	100 Tank, skid, pump mount and control stand
UT-150	150 Tank, skid, pump mount and control stand
UT-200	200 Tank, skid, pump mount and control stand
UT-325	325 Tank, skid, pump, & reel mount
UT-500	500 Tank, skid, pump, & reel mount
UT-504HXL	Hypro 4 roller pump (9 g/m) (100 p.s.i.) with 5.5 HP Hypro gas engine, Round Up Ready pump pressure regulator, fittings, handgun and gauge
UT-252D-H	Hypro D252 Diaphragm pump system (6 g/m-290 psi) with gear reduction 5HP, Honda gas engine, fittings, control unit, gauge, handgun and 20' of hose
UT-530D	Hypro D30 Diaphragm pump system (9.5 g/m-550 psi) with 5.5 HP Hypro, OHV gas engine, gear reduction, fittings, control unit, gauge, handgun, and 20' of hose
UT-530D-H	Hypro D30 Diaphragm pump, same as above w/Honda 5.5 HP engine
UT-550D-H	Hypro D503 Diaphragm pump system (15 g/m-580 psi) with 8HP Honda gas, engine, gear reduction, fittings, control unit, gauge, handgun and 20' of hose
25660-3.0	Lawn gun
JD9-CT	Green Garde gun
3381-0010	Hypro Treegun w/17" barrel
AA43H-AL	Handgun with trigger control
UT-502	Tow package for 100 gal. with 18.5 x 8.5 x 8 tires, hubs, spindles, and hitch
UT-506	Tow package for 150/200 gal. w/175/80 x13 tires, hubs, spindles, and hitch
PAC320-3/8	High pressure spray hose, 560 psi, 3/8" ID
PAC320-1/2	High pressure spray hose, 560 psi, 1/2" ID
UT-515	Tow package UT 150/200 gal. w/15" wheels and tires



150 gallon skid-mounted P/U sprayer - shown with 5.5HP B&S engine, Hypro D-30 high pressure diaphragm pump package, hose reel, 143 Gunjet, and 300' of 1/2" hose.



100 GALLON CART SPRAYER

CUSTOM BUILT SPRAYERS

Designed for:

- ▶ AGRICULTURE
- ▶ NURSERIES
- ▶ CHRISTMAS TREE GROWERS
- ▶ INDUSTRIAL
- ▶ LAWN AND ESTATE CARE



150 GALLON PCO SPRAYER

SKID MOUNTED SPRAYERS

A complete line of tree spraying equipment from 100 gallon skid mounted units to large-scale 500 gallon trailer-mounted models. Spray heights range from 30' to 110'. Sprayers are designed with powder coated steel frames and long-lasting diaphragm pumps. Tanks are durable and light polyethylene. Customized to your specs, with significant savings over other higher cost units.

Mid-Atlantic Services Tree Sprayers are used at many prestigious organizations, including:

- ▶ Architect of the Capitol in Washington, DC
- ▶ Arnold Arboretum of Boston, MA
- ▶ University of Delaware, Newark, DE

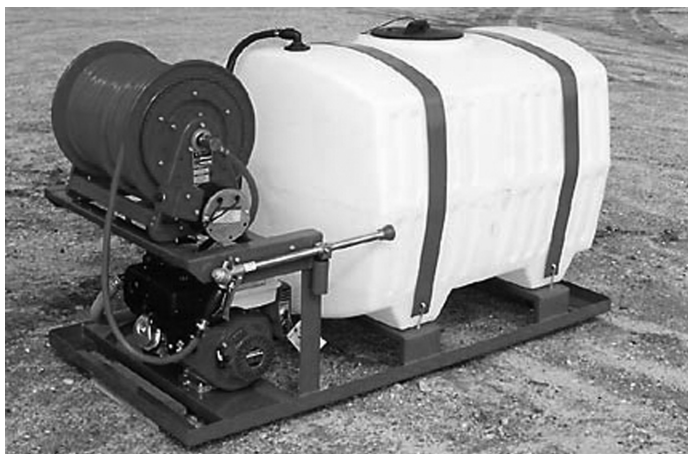


Kappa 150GR-ASSY

100/200 GALLON SKID MOUNTED

TREE SPRAYER -

- ▶ Compact design easily fits into back of a pickup truck or larger utility vehicle
- ▶ Hypro D252 6 gal/minute or D30 9.5 gal/minute diaphragm pump with 3 hp or 5.5 hp Honda gas engine
- ▶ Spray heights from 30' to 42'
- ▶ Manual or electric rewind hose reels up to 300' capacity
- ▶ Green Garde JD-9 or Hypro Tree Gun available



TS300 SKID MOUNTED TREE SPRAYER -

- ▶ 42 gal/min 700 psi diaphragm pump
- ▶ B & S industrial rated Vanguard 31 HP gas engine
- ▶ Electric start and 20 amp charging system
- ▶ 300 gal oval poly tank with deep sump
- ▶ High volume Venturi jet agitation
- ▶ Up to 300' of 3/4" 800 psi hose
- ▶ Reelcraft heavy duty reel with electric rewind



- ▶ Spray heights from 65' to 75'
- ▶ Hypro Tree Gun or FMC 785 spray gun available
- ▶ Oil bath gear reduction drive. No belts or pulleys to contend with
- ▶ Gear drive more cost effective than conventional belt drive

TS500 SKID MOUNTED TREE SPRAYER

FEATURES

- ▶ Udor Kappa 150 42 gal/minute 700 psi diaphragm pump and 31 HP Vanguard engine
- ▶ Electric start and 20 amp charging system
- ▶ 12 gal stainless steel gas tank
- ▶ Reelcraft heavy duty hose reel with electric rewind
- ▶ 500 gal oval poly tank with deep sump
- ▶ High capacity venturi jet agitation
- ▶ Hypro Treegun or FMC 785 tree gun available
- ▶ Optional light bar for nighttime operation
- ▶ Forklift tubes for easy loading and handling



TS500 TRAILER MOUNTED TREE SPRAYER

Performance and Value: This sprayer compares with units costing over twice as much, yet delivers the desired results.



FEATURES

- ▶ Single axle trailer with 12.5 x 15 implement tires. Highways tires available
- ▶ Gas engine or PTO drives available
- ▶ Hypro DBA200 50 gal/min 725 psi pump on PTO drive system
- ▶ Spray heights to 110' with Hypro DBA200 diaphragm pump and Bean 785 spray gun
- ▶ Shown with 12 gal plastic gas tank
Stainless steel standard

HIGHWAY RIGHT OF WAY SPRAYERS

- ▶ Many sizes and configurations available
- ▶ Pull type and skid mounted units
- ▶ Durable powder coat finish on frame for years of maintenance free use
- ▶ We will design to your custom specs
- ▶ Many Pump And Drive Options
 - Gas engine
 - Belt drive
 - Direct drive
 - High volume, low pressure
Centrifugal pumps
 - High pressure, low volume
diaphragm pumps



300 gallon tank with diaphragm pump and 50 gallon rinse system



500 gallon stainless steel tank with high pressure diaphragm system



200 gallon sprayer with high capacity centrifugal pump and rinse system

DE-ICE SYSTEMS

The RoadMaster™ is a multi-purpose electronic control system with a wide range of applications. Highway maintenance uses include regulating the flow of: liquid de-icer and anti-icers, roadside spray products, and dust-control agents. Also ideal for turf maintenance applications of herbicides, fungicides, insecticides, and fertilizers. Raise your profitability by maintaining exact application rates of these valuable products. Available in a PWM (Pulse Width Modulation) version.

- ▶ Four Operating Modes
- ▶ Selectable Servo Drive Options
- ▶ Built-in VRA/AVL Communications
- ▶ Extensive Downloadable Data List
- ▶ Blast Switch
- ▶ Keylock Switch
- ▶ Built-in Alarm Messages
- ▶ Built-in Audible Alarm
- ▶ Emergency Stop



**300 GALLON OVAL TANK
BOOM WIDTH COVERS 3 LANES**



**65 GALLON LEG TANK
BOOM COVERS 5 FT**



**3400 GALLON SUPER NURSE TANK
BOOM WIDTH COVERS 3 LANES**

1000 GAL SKID MOUNTED ANTI-ICE/DE-ICE SPRAYER

- ▶ 10' boom with strip nozzles on center boom and wide angle floods out each side
- ▶ Collapsible legs for easy loading into dump bed or flat bed
- ▶ Centrifugal pump with gas engine drive
- ▶ Raven controls / Micro Trak
- ▶ Frames have tough powder coat finish for long life, good looks and minimal maintenance Most de-ice units can also be used for summer weed spraying



50 gallon pull unit with 15' boom
Ideal for parking lots, college campuses
and sidewalk treatment



FEATURES

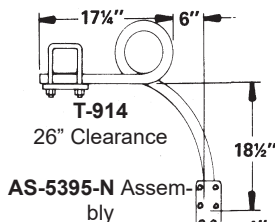
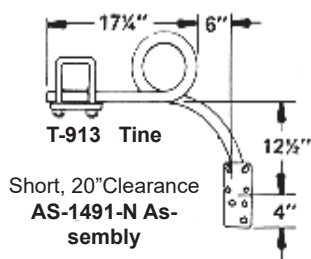
- ▶ Available in tank sizes from 50 to 3135 gallons
- ▶ Units can be built as towed type or skid mounts for flat and dump beds
- ▶ Many boom configurations available
- ▶ Hydraulic or gas engine driven pumps available
- ▶ Raven DCS 400 controller complete with flow meter, control valve, and speed sensor
- ▶ Provides accurate application rates regardless of speed
- ▶ Boom can be operated in 3 sections independently of each other
- ▶ Hose reels can be added



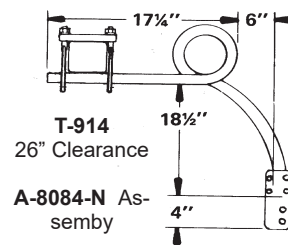
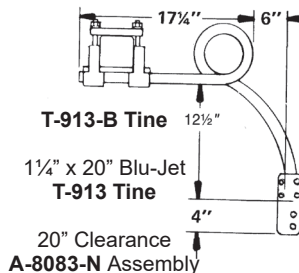
**Shown with center boom only for
sidewalk work**

TINES & SHANKS FOR 3" & 4" TOOLBARS

1-1/4" SPRING TINES FOR 3" TOOLBARS



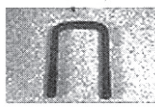
1-1/4" SPRING TINES FOR 4" TOOLBARS



108279 4" x 4" Top Clamp

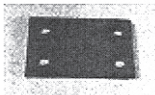
A-1487 3" x 3" Top Clamp

A-4321 Bottom Clamp



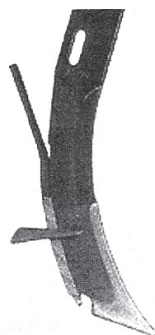
A-1488

U bolts for 3" Square Tool Bar, Hardened



A-1099

Clamp Plate for 3" Bar



BS-12
(FRONT SWEEP KNIFE
SHOWN W/ SEALER)



BS-11
(BACK SWEEP KNIFE)

FERTILIZER KNIVES

- Chrome Alloy Toe and Tube Protectors
- High Carbon Steel Shank
- Drop Forged, Oil Quenched & Tempered
- Heat Treated
- Front and Back Swept Knives
- Available With and Without Sealer Wings

The BS-12 fertilizer knife is crafted with quality as a mandatory guideline. Standard features include a tough chrome alloy knife toe and tube protectors. The chrome alloy material will extend the life of the knife two to three times longer than a plain forged or hard surfaced knife.

The BS-11 is of the same high quality as the BS-12. Tough chrome insert, has 2 sets of mounting holes for choice of desired positions.

THIN KNIVES FOR COULTER INJECTION



K-5SBSST

Thin Boride coated knife to follow coultter injection. Works well in all soils.

BJ-C050

Weise thin knife to follow coultter injection. Good general purpose knife.



WAGONS AND TRAILERS



Tanden Trailer

- ▶ Capacity: 14,000 lbs GVWR
- ▶ Complete with 2000# Jack, platform on tongue, step, safety chains
- ▶ 1010 gal Drainable Poly Tank
- ▶ Norwesco heavy duty 11 L x 15, 8 ply tires

B&B SN -1010

- ▶ Hi-rise Wagon
- ▶ Capacity: 14,000 lbs GVWR
- ▶ 60" x 90" adj. tread width
- ▶ 11 L x 15, 8 ply tires
- ▶ 1010 gal drainable Norwesco Poly Tank, heavy duty blue tank
- ▶ Available with John Blue pump and press wheel drive

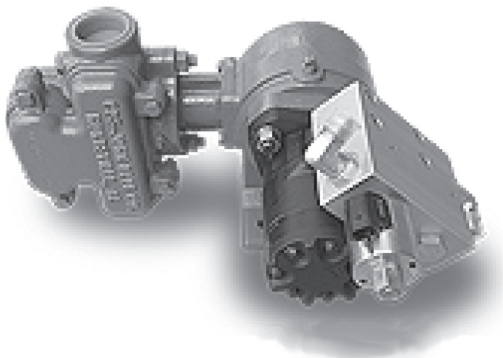


B&B T18 1610 GAL TARDEM

- ▶ Tandem Trailer with 1610 gal slope bottom tank
- ▶ Complete with Jack and safety chain
- ▶ 16.1 L x 11, Rims w/ 14 L x 16.1, 12 ply tires

AUXILIARY DRIVES

DIRECT HYDRAULIC DRIVE FEATURES FOR PISTON PUMPS

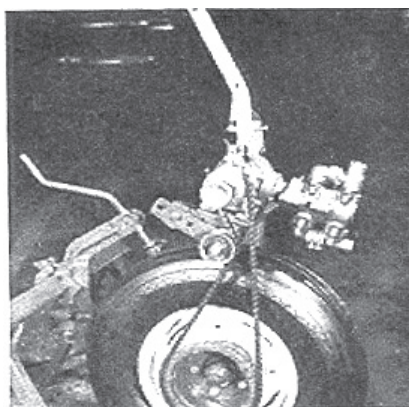


- ▶ LOWER COST AND MORE COMPACT SOLUTION FOR VARIABLE RATE PISTON PUMP DRIVES
- ▶ USERS CAN SUPPLY THEIR OWN SAE A 2-BOLT MOTOR OR A HYDRAULIC MOTOR/PWM MANIFOLD KIT IS AVAILABLE FROM CDS-JOHN BLUE COMPANY, MODEL **NUMBER 116205-91**
- ▶ AVAILABLE FOR THE FOLLOWING PISTON PUMPS: NGP-4055-HYF, NGP-6055-HY, NGP-6055-HYF, NGP-7055-HY AND NGP-7055-HYF

GAUGE WHEEL AND DRIVE

John Blue Gauge Wheel L-1960 provides the farmer with an economical means of maintaining depth control for 3-point hitch equipment. The gauge wheel, when equipped with a mounting and drive for the squeeze pump or piston metering pump, maintains constant contact with the ground to assure accurate application at all times. The Gauge

Wheels adapt to 3-point hitch equipment with 2 1/4" diamond or 3" to 5" frame members and are engineered to withstand the punishment of repeated use without any loss of performance.



Sprocket Adaptors And Sprockets

Sprocket adaptors are available to fit 4, 5 and 6 bolt wheels for the drive of ground driven pumps. These adaptors and sprockets provide a drive for squeeze pumps and piston metering pumps on various drive wheels, gauge wheels, tillage equipment, planters or spray rigs. They are ruggedly constructed to provide years of trouble free service. Various chain idlers are also available to complement the pump drive.

PUMP DRIVES

- ▶ L-1960-L Gauge wheel (3 x 3 bar) (Knocked down less tire)
- ▶ L-1960-AL Gauge wheel (2-1/2 diamond bar) (Knocked down less tire)
- ▶ L-1961 L-1094 and L-4400 Pump mtg. drive - gauge wheel w/50T sprocket
- ▶ L-1961-A Single piston metering pump mtg. drive - gauge wheel w/60T sprocket
- ▶ 107142 Press wheel w/hydraulic cyl
- ▶ DRV-3200 Universal Mount-Pump mount and jack-shaft for planter hex shaft drive applications

MISCELLANEOUS COMPONENTS

- ▶ LA-1341-HA Hub sprocket adaptor - 4 bolt
- ▶ 106190-01 Hub sprocket adaptor - 5 bolt
- ▶ A-1341-HA Hub sprocket adaptor - 6 bolt
- ▶ A-5450 Hub clutch assembly (less sprocket)
- ▶ A-1342-BP 50 tooth roller chain sprocket (50) steel
- ▶ A-1342-AP 60 tooth roller chain sprocket (50) steel
- ▶ A-1502-P 80 tooth roller chain sprocket (50)
- ▶ A-399-BLK Single spool idler w/bracket



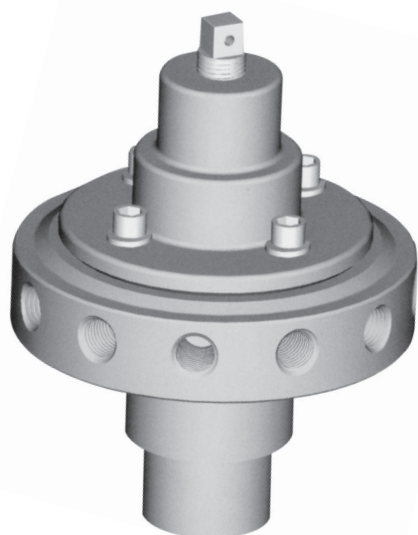
JOHN BLUE FLOW DIVIDERS

ACCURATE DISTRIBUTION

Accurate distribution from a piston metering pump is very important to successful subsurface application of liquid fertilizer.

When injecting liquid fertilizer, only a pressurized system can assure even distribution across the entire swath width.

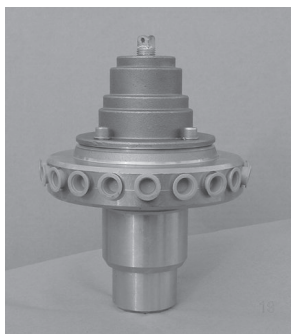
The John Blue Exacto-Flow Divider assures even distribution with a revolutionary pump design that insures equal flow. As flow increases or decreases, the flow automatically compensates so that the distribution remains constant.



FD-1210

MODEL FD-1210

- ▶ 12 Outlets
- ▶ All stainless steel
- ▶ 1/4" FPT Outlet
- ▶ 3/4" FPT Inlet
- ▶ Maximum flow per outlet = 2.25 GPM
- ▶ Minimum flow per outlet = .063 GPM
- ▶ Field repairable- always calibrated
- ▶ Repair Parts:
 - 115406-A Needle & Seal Kit
 - 115407-A Seal Kit
 - 115106-91 Needle only



FD-2010

MODEL FD-2010

- ▶ 20 Outlets
- ▶ All stainless steel and ni-resist wetted parts
- ▶ 1/4" FPT Outlet
- ▶ 1" FPT Inlet
- ▶ Maximum flow per outlet = 2.25 GPM
- ▶ Minimum flow per outlet = .063 GPM
- ▶ Repair Parts:
 - 115433-A Needle & Seal Kit

Flow Divider Mounting Bracket

- ▶ Repair Parts: L-1180, L-2190, L-1195
- ▶ L-1185 Gasket (3 required L-2190)
(1 required L-1180)
- ▶ 113642-01 Diaphragm for L-2190
- ▶ L-1186 Diaphragm for older L-118 0
- ▶ 102653-01 Gasket (2 required L-1195)
- ▶ 102662-01 Diaphragm for L-1195

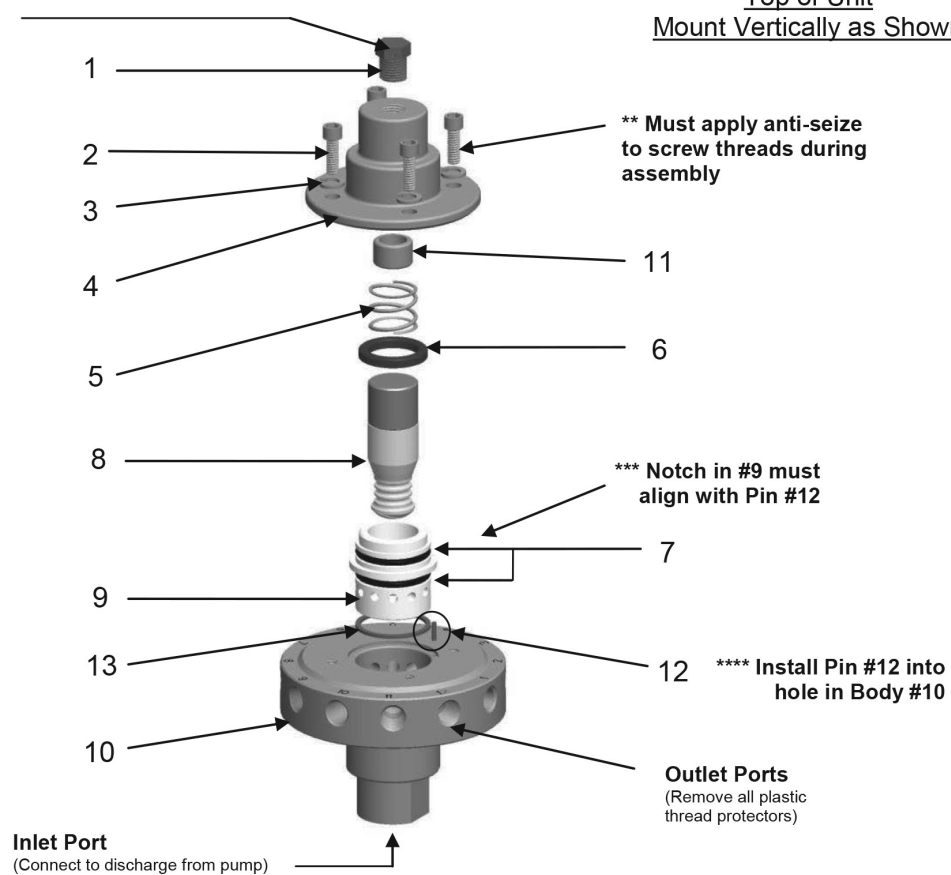


John Blue Flow Divider Brakedown

Assembly Drawing and Parts List:

* Plug must be vented for proper operation – do not replace with solid plug

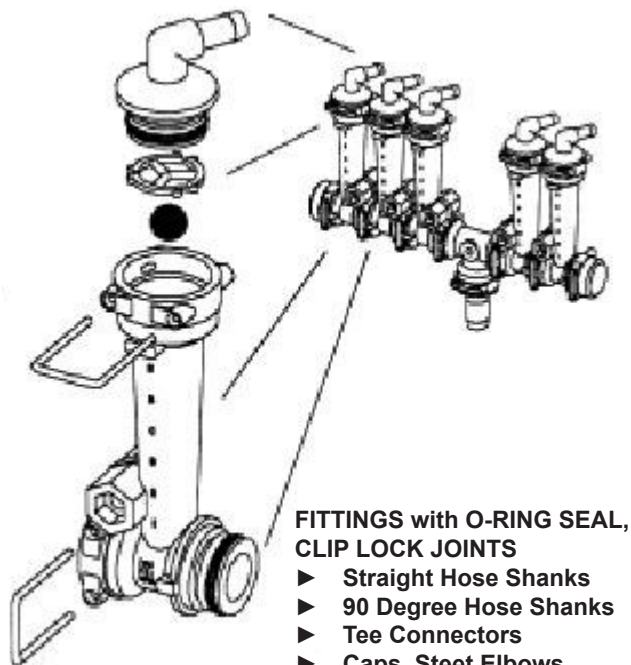
Top of Unit
Mount Vertically as Shown



Item	Description	FD-0610 Parts List		FD-1210 Parts List		FD-2010 Parts List	
		Part #	Quantity	Part #	Quantity	Part #	Quantity
1	Vented Cap Plug (* see note)	116024-01	1	116024-01	1	116024-01	1
2	Socket Head Screw (** see note)	90514	3	90514	4	90514	4
3	Lock Washer	93022	3	93022	4	93022	4
4	Cap	116028-01	1	115146-01	1	115401-01	1
5	Spring	115152-01	1	115152-01	1	115399-01	1
6	Needle Seal	115151-01	1	115151-01	1	115398-01	1
7	O-ring	115025-01	2	115025-01	2	115403-01	2
8	Needle	115106-91	1	115106-91	1	115109-91	1
9	Sleeve (***) see note)	116082-01	1	115387-A	1	115402-A	1
10	Body – NPT ports	116027-01	1	115102-01	1	115103-01	1
	Body – Push connect ports (3/8")	116027-01P38	1	115102-01P38	1	N/A	-
	Cartridge – 3/8" push conn	116142-01	6	116142-01	12	N/A	-
	Push conn O-Ring	116145-01	6	116145-01	12	N/A	-
11	Spacer	115435-01	1	115435-01	1	115438-01	1
12	3/32 x 3/8 Roll Pin (**** see note)	115495-01	1	115495-01	1	115495-01	1
13	Sleeve Seal	116019-01	1	116019-01	1	116020-01	1
	115406-A FD-0610, FD-1210 Needle & Seal Kit Includes 1 each of #5, 6, 8, 13, and two of #7						
	115407-A FD-0610, FD-1210 Seal Kit Includes 1 each of #5, 6, 13, and two of #7						
	115433-A FD-2010 Needle & Seal Kit Includes 1 each of #5, 6, 8, 13, and two of #7						
	115434-A FD-2010 Seal Kit Includes 1 each of #5, 6, 13, and two of #7						

WILGER SPRAYER NOZZLE MONITOR

Avoid costly missed application

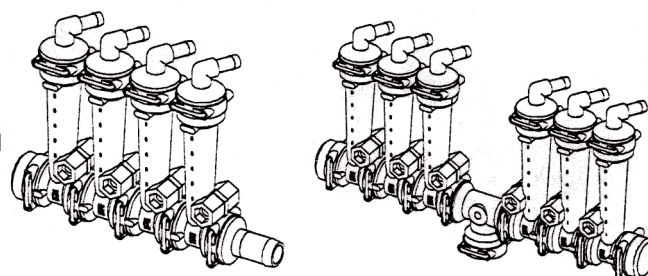


How they work

- ▶ Each indicator column supplies up to three nozzle tips
- ▶ In operation, balls hover at about the same level, depending on the flow rate
- ▶ A ball lower than the others indicates a plugged tip supplied by that column

COMPONENTS FOR MULTIPLE COLUMNS

- ▶ ONE COLUMN ASSEMBLY with inlet, outlet, and end cap
- ▶ ADD-ON SINGLE COLUMN ASSEMBLY with outlet
- ▶ FOUR COLUMN ASSEMBLIES with inlet, outlets, and end cap
- ▶ FOUR ISOLATED COLUMN ASSEMBLY w/orifices
- ▶ SIX COLUMN ASSEMBLIES with inlet, outlets, and end cap
- ▶ SIX ISOLATED COLUMN ASSEMBLY w/orifices
- ▶ EIGHT COLUMN ASSEMBLIES with TEE, outlets, and end caps
- ▶ EIGHT ISOLATED COLUMN ASSEMBLY w/orifices

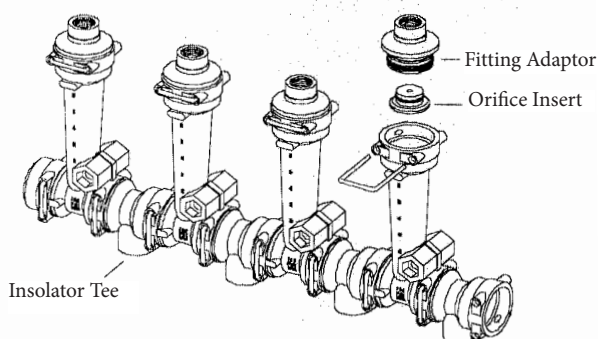


- ▶ No electronic components to cause problems
- ▶ Choose from selection of ball weights to match combined nozzle flow from each column
- ▶ 100 psi maximum operating pressure

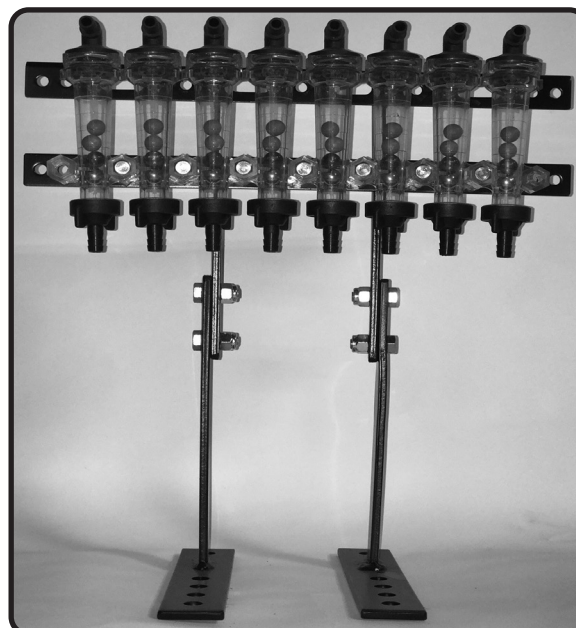
AGRICULTURAL

1-10060 Flow Control Stand

- ▶ 3/8" NPT Fe Inlet Isolator TEE to join columns for squeeze pumps and other individual source applications
- ▶ 1/4" NPT Fe Outlet Adaptors for tubing fittings
- ▶ Flow Control Orifice Inserts available in large range sizes



Universal bracket for CDS-John or Wilger row units (picture below)



Wilger Spray Monitors & Parts



Wilger Spray Monitors provide accurate monitoring of all spray tips or orifices on planters with a quick glance. Modular, flexible and durable. Bodies constructed of tough UV-Resistant Polymethylpentene. Inlet and Outlet fittings made of polypropylene and celcon.

Features:

- Modular Design with individual columns & Wilger's innovative o-ring seal & joint clip allows you to quickly assemble "banks" to fit your requirements.
- Various inlet & outlet sizes in straight & 90 degree hose barb styles.
- FKM O-Rings are standard (Viton available); Stainless u-clips.
- Each Monitor Column includes (4) indicator balls (Green, Red, Maroon, & Silver)

Pre-Assembled Spray Monitors:

Part No.	Columns	Inlet	Outlet
3999-1	4	3/4" HB 90	1/4" FPT 90
3999-1A	4	3/8" HB 90	1/4" Tube Adaptor 90
3999-2	4	3/4" HB 90	3/8" Tube Adaptor 90
3999-2HB	4	3/4" HB 90	3/8" HB 90
3999-8	4	3/4" HB 90	1/2" HB 90

Single Column "Adders" for Above Monitors:

Part No.	Inlet	Outlet
3999-0014	-	1/4" FPT 90
3999-0038	-	3/8" HB 90
3999-0012	-	1/2" HB 90



3999-2
Spray Monitor



3999-3412
Spray Monitor
"Starter"



3376-4
"Squeeze Pump"
Monitor



3999-0038
Spray Monitor
"Adder"



40436-B5
Jet Cap x Tube
Adaptor

**Non-Assembled
Squeeze Pump Components**
- "Bank your own" - Very Compact
- Isolation Tees Not Required



20480
Spray Monitor



20480 - Bottom Feed "Squeeze" Pump Monitor, 1 column with 4 Balls & U-Clip

Bottom Inlet Combo-Jet Cap Options:

(1 Required per Column, Above; Installs with 90 ° Twist; FKM O-Ring & Inline diffuser Included)

Part No.	Description
40422-B5	Combo-Jet Cap with Integral 1/4" Hose Barb, Straight
40424-B5	Combo-Jet Cap with Integral 3/8" Hose Barb, Straight
40426-B5	Combo-Jet Cap with Integral 1/2" Hose Barb, Straight
40435-B5	Combo-Jet Cap with Integral 1/4" Tube Adaptor (Push-in Style)
40436-B5	Combo-Jet Cap with Integral 3/8" Tube Adaptor (Push-in Style)
40273-B5	Combo-Jet Cap with Integral 1/4" FPT

Top Outlet Fitting Options:

(Install with SS U-Clip on Monitor, FKM O-Ring Included)

Part No.	Description
20516	1/4" Tube Adaptor (Push-In, 90 ° Elbow)
20528	5/16" Tube Adaptor (Push-In, 90 ° Elbow)
20517	3/8" Tube Adaptor (Push-In, 90 ° Elbow)
20511	3/8" Hose Barb, 90 ° Elbow

Single Column "Starters" for Above Monitors:

Part No.	Inlet	Outlet
3999-1414	1/4" FPT 90	1/4" FPT 90
3999-3838	3/8" HB 90	3/8" HB 90
3999-1212	1/2" HB 90	1/2" HB 90
3999-3414	3/4" HB 90	1/4" FPT 90
3999-3438	3/4" HB 90	3/8" HB 90
3999-3412	3/4" HB 90	1/2" HB 90

"Pre-Assembled "Squeeze" Pump Monitors for Squeeze Pumps:

Part No.	Columns	Inlet	Outlet
3376-6	2	3/8" HB 90	3/8" HB 90
3376-4	4	3/8" HB 90	3/8" HB
3376-7	2	1/2" HB 90	1/2" HB 90
3376-5	4	1/2" HB 90	1/2" HB



20512



20519



20523



20525

Part No.	Description
20521	End Cap with SS Clip
20523	"Isolation" Tee with 3/8" FPT outlet
20525	1" FPT Clip Tee with 1/4" Gauge Port
20535	End Cap with 1/4" FPT Port
20536	End Cap with 3/8" FPT Port
20537	End Cap with 1/2" FPT Port
20519	1/4" FPT Outlet Fitting
20518	1/4" FPT Elbow
20511	3/8" HB Elbow
20512	1/2" HB Elbow
20513	3/4" HB Elbow
20515	1" HB Elbow
20501	3/8" Hose Barb, Straight
20502	1/2" Hose Barb, Straight
20503	3/4" Hose Barb, Straight
20504	1" Hose Barb, Straight
20460-01	Body Only, Spray Monitor
20480-01	Body Only, Squeeze Pump Monitor
20460-03	FKM O-Ring
20460-04	SS U-Clip

Flow Monitoring System

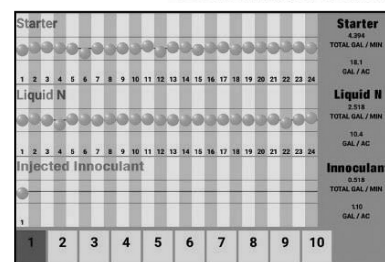


Electric Flow Monitoring System Designed for AgChemical & Liquid Applications

The Wilger Electronic Flowmeter (EFM) is fully serviceable electronic flowmeter & monitoring system specifically designed for agricultural chemical & liquid applications. Like visual ball flow indicators, the EFM system monitors variations in flow rate, but has the added benefit of electronic readouts of actual flow -- not just relative flow -- for each row.

The patented electronic flowmeters feature stabilizing jets for improved flow rate accuracy and consistency across a broad flow range. Plus, as part of Wilger's O-Ring seal (ORS) fittings, the EFM can be easily configured as a new system or retrofitted into an existing visual flow indicator system as an electronic upgrade.

Relying on wireless ECU technology and a user-friendly Android interface, the Wilger EFM eliminates sole reliance on visual flowmeter monitoring -- delivering real-time, row-by-row monitoring accuracy and precision performance even in dark conditions.



Example Screen of Electronic Flow Monitoring App
Free Android download at www.Wilger.net

System Highlights:

- ▶ Monitor up to 196 meters on up to 10 sections
- ▶ Customize & monitor up to 3 products simultaneously
- ▶ Compact & low maintenance -- components are completely serviceable & replaceable
- ▶ ORS design enables retrofit installation into existing systems
- ▶ Eliminates visibility difficulties when applying dark liquids or during dark/dusty conditions
- ▶ Keyed Deutsch connectors ensure correct connections
- ▶ Easy to install, easy to use -- wireless Wi-Fi connections to in-cab
- ▶ Android tablet (no data required); Tablet not included
- ▶ Stabilizing jets accurately measure flow rates of 0.024-1.5 US GPM

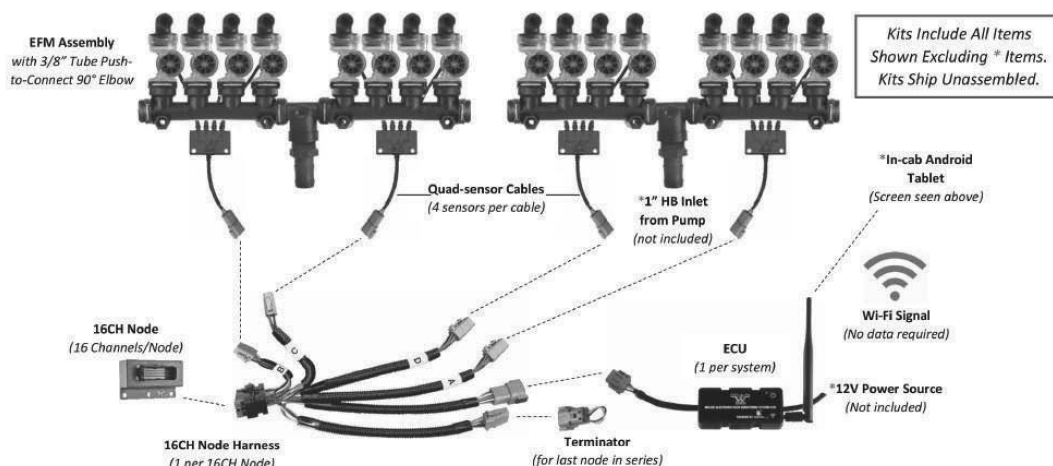
AGRICULTURAL

Electric Flowmeter Starter Kits	
Part No.	Description
EFM12-N	EFM Core Kit, 12 Row, New Install
EFM16-N	EFM Core Kit, 16 Row, New Install
EFM24-N	EFM Core Kit, 24 Row, Retrofit
EFM12-R	EFM Core Kit, 12 Row, Retrofit
EFM16-R	EFM Core Kit, 16 Row, Retrofit
EFM24-R	EFM Core Kit, 24 Row, Retrofit

New Installs includes ECU, 16 Ch Node & Harness, Manifolds, EFM Assemblies, 3/8" 10# Check Valves/Caps & 3/8" Tubing in required QTY. Retrofits include same as New Install kits less Manifold fittings, Check Valves/Caps & Tubing.

Extension Cables (As Required)	
Part No.	Description
20616-12	Extension Cable, ECU/Node-Node, 12 ft.
20616-24	Extension Cable, ECU/Node-Node, 24 ft.
20615-06	Extension Cable, Node-Sensor, 6 ft.
20615-12	Extension Cable, Node-Sensor, 12 ft.
20605-00	ECU Y-Splitter Cable with Terminator

Note: Extension Cables & Metering Orifices sized per application -- not included in EFM Kits at left.
Android Tablet Not Included In Any Kits!



Wilger Nozzle Body Systems

“Combo-Rate II” Nozzle Body Systems

Combo-Rate II Nozzle Body Systems are designed with the main saddle/nozzle body positioned directly under the boom. This keeps the complete assembly compact, even when the second nozzle body or turret is added. Constructed of glass-filled polypropylene for strength and excellent corrosion-resistance. All components are easily connected with the stainless u-clips. Standard with buna o-rings (Viton available) and EPDM internal diaphragm. Standard with 10 PSI diaphragm check valves. Fits 1” I.D. Standard boom pipes.



41434-00
Combo Rate II Saddle/Body
2 way, 3/8” Inlet. Includes
Manual Shutoff Valve
(MSO)



41515-00
5-way Turret



41816-00
Double Down Top Turret



Shown here completely
assembled with 5-way
turret & plug



40203-00
Adaptor for TeeJet
QuickJet Cap



40441-00
Double Down Adaptor
for Wilger Combo-Jet

Part No.	Description
41333-00	Combo-Rate Saddle/Body, 1 way, 3/8” Inlet with Manual Shutoff Valve
41434-00	Combo-Rate Saddle/Body, 2 way, 3/8” Inlet with Manual Shutoff Valve *
41438-00	Combo-Rate Saddle/Body, 2 way, 3/8” Inlet for blended pulse applications
41364-00	Combo-Rate Saddle/Body, 2 way, 21/32” Inlet for JD Sprayers with manual shutoff valve
41513-00	Combo-Rate, 3 way Turret with manual shutoff valve
41514-00	Combo-Rate, 4 way Turret with manual shutoff valve
41515-00	Combo-Rate, 5 way Turret with manual shutoff valve
41516-00	Combo-Rate, 5 way Double down Turret with manual shutoff valve
41813-00	Combo-Rate, 3 way top turret with manual shutoff valve
41814-00	Combo-Rate, 4 way top turret with manual shutoff valve
41815-00	Combo-Rate, 5 way top turret with manual shutoff valve
41816-00	Combo-Rate, 5 way double down top turret with manual shutoff valve
41502-11	Combo-Rate, Viton repair kit - to repair 2, 3, 4, & 5 way turrets
40440-00	Combo-Rate, Y Adaptor (60 ° tilt forward & backward)
40441-00	Combo-Rate, double down adaptor
40203-00	Combo-Rate, adaptor for TeeJet “Quick Jet” cap
41285-00	Combo-Rate, male plug less u-clip
20460-04	Combo-Rate, Stainless Steel u-clip
41100-03	Combo-Rate, 10 PSI diaphragm check valve (less body nut & diaphragm)
41100-V3	Combo-Rate, 10 PSI diaphragm check valve (less body nut & diaphragm)
41100-12	Combo-Rate, 4 PSI diaphragm check valve (less body nut & diaphragm)
41100-P15	Combo-Rate, 15 PSI diaphragm check valve (less body nut & diaphragm)
41100-02	Combo-Rate, body nut for above check valves
40155-07	Combo-Rate, FKM diaphragm for above check valves
40155-12	Combo-Rate, viton diaphragm for above check valves
40155-23	Combo-Rate, single piece molded diaphragm

* 40155-23 is Direct Replacement for 40155-07 & 40155-12 (New & Improved Design)

“Combo-Rate” Nozzle Body Systems

Combo-Rate Nozzle Body Systems allow you to spray with multiple nozzles (of the same or different sizes) at the same location on the boom, to optimize coverage, canopy coverage, canopy penetration and drift control. This allows flow rates and droplet sizes of multiple nozzles to be continued. Unlike conventional nozzle bodies, Combo-Rate nozzle bodies are modular. Constructed of durable glass-filled polypropylene, stainless u-clips, and FKM o-rings (Viton available). 10 PSI diaphragm check valves with EPDM are standard (4 PSI Viton diaphragms are also available)

Part No.	Description
41376-00	Combo-Rate, Saddle, 2 way for 1” pipe, 3/8” Inlet
41375-00	Combo-Rate, Saddle, 1 way for 1” pipe, 3/8” Inlet
41110-00	Combo-Rate, Nozzle Body, 2 way with manual shutoff valve
41111-00	Combo-Rate, Nozzle body, 1 way with manual shutoff valve
41125-00	Combo-Rate, 2 way, air off control
41126-00	Combo-Rate, 1 way, air off control



41376-00
2-way Saddle



41375-00
1-way Saddle



41110-00
2-way Nozzle body
with Manual Shutoff Valve



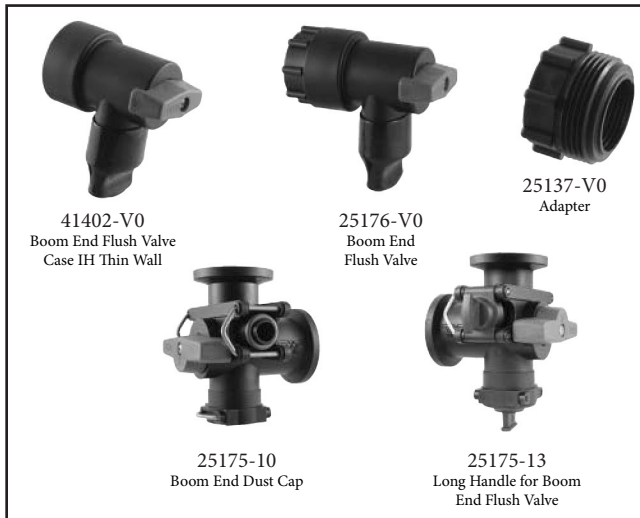
41111-00
1-way Nozzle Body
with Manual
Shutoff Valve

Combo - Jet & Combo - Rate Accessories

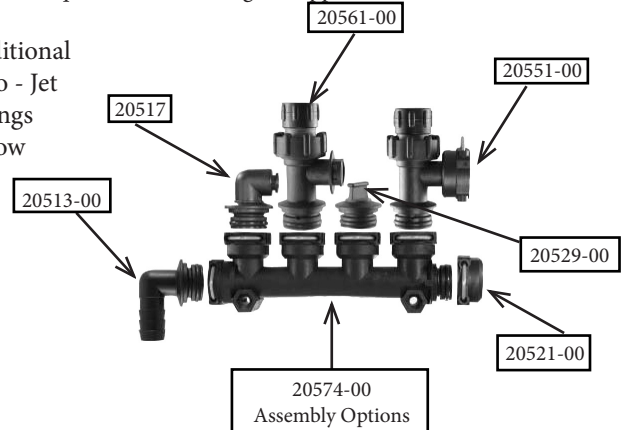
Combo - Rate Manifold Control/Regulating Components &

Combo - Jet Accessories & ORS Manifolds/Accessories

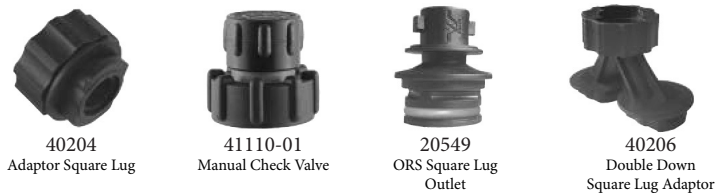
Combo - Rate Manifolds can be used to Control and Distribute Liquid in a Wide Range of Applications



See Additional
Combo - Jet
Fittings
Below



ORS (O-Ring Sealed) Manifold & Check Valves
The Wilger ORS Manifold makes it even easier and more cost effective to setup and distribute liquids.



**Combo - Jet &
Combo - Rate Accessories**
- "Bank your own" - Very Compact
- Isolation Tees Not Required

**20480
Spray Monitor**



20480 - Bottom Feed "Squeeze" Pump Monitor, 1 column with 4 Balls & U-Clip

Bottom Inlet Combo-Jet Cap Options:

(1 Required per Column, Above; Installs with 90° Twist; FKM O-Ring & Inline diffuser Included)

Part No.	Description
40422-B5	Combo-Jet Cap with Integral 1/4" Hose Barb, Straight
40424-B5	Combo-Jet Cap with Integral 3/8" Hose Barb, Straight
40426-B5	Combo-Jet Cap with Integral 1/2" Hose Barb, Straight
40435-B5	Combo-Jet Cap with Integral 1/4" Tube Adaptor (Push-in Style)
40436-B5	Combo-Jet Cap with Integral 3/8" Tube Adaptor (Push-in Style)
40273-B5	Combo-Jet Cap with Integral 1/4" FPT

Top Outlet Fitting Options:

(Install with SS U-Clip on Monitor, FKM O-Ring Included)

20516	1/4" Tube Adaptor (Push-In, 90° Elbow)
20528	5/16" Tube Adaptor (Push-In, 90° Elbow)
20517	3/8" Tube Adaptor (Push-In, 90° Elbow)
20511	3/8" Hose Barb, 90° Elbow

Combo - Jet & Combo - Rate Accessories

40204	Adaptor square to Combo - Jet, Buna
40206	Double Down Adaptor, Square Lug to Combo - Jet
41110-01	Manual On/Off Check Valve, 10 PSI, Black
20460-04	Combo - Rate Stainless Steel U-Clip
41285-00	Combo - Rate, Male Plug Less U-Clip
41100-03	Combo - Rate, 10 PSI Diaphragm Check Valve (Less Body Nut & Diaphragm) Black
41100-V3	Combo - Rate, 10 PSI Diaphragm Check Valve with Viton Diaphragm, Less Body, Nut, Black
41100-12	Combo - Rate, 4 PSI Diaphragm Check Valve (Less Body, Nut, & Diaphragm) Blue
41100-P15	Combo - Rate, 15 PSI Diaphragm Check Valve (Less Body, Nut & Diaphragm) Red
40155-23	Combo - Rate, Replacement Diaphragm, FKM
40155-07	Combo - Rate, Replacement Diaphragm, EPDM
40155-12	Combo - Rate, Replacement Diaphragm, Viton

Spare Parts	
Part No.	Description
20521	End Cap with SS Clip
20523	"Isolation" Tee with 3/8" FPT Outlet
20525	1" FPT Clip Tee with 1/4" Gauge Port
20535	End Cap with 1/4" FPT Port
20536	End Cap with 3/8" FPT Port
20537	End Cap with 1/2" FPT Port
20519	1/4" FPT Outlet Fitting
20518	1/4" FPT Elbow
20511	3/8" HB Elbow
20512	1/2" HB Elbow
20513	3/4" HB Elbow
20515	1" HB Elbow
20501	3/8" Hose Barb, Straight
20502	1/2" Hose Barb, Straight
20503	3/4" Hose Barb, Straight
20504	1" Hose Barb, Straight
20460-01	Body Only, Spray Monitor
20480-01	Body Only, Squeeze Pump Monitor
20460-03	FKM, O-Ring
20460-04	SS U-Clip
20529-00	1/4" Male ORS Plug
20549	ORS to Square Lug Outlet
ORS Check Valves & Manifolds	
20551-00	ORS Check Valve, Manual, 10 PSI, FKM
20550-00	ORS Check Valve, 10 PSI, FKM
20561-00	ORS Check Valve to Combo - Jet, 10 PSI, FKM
20560-00	ORS Check Valve to Combo - Jet, 10 PSI, FKM
20572-00	ORS Manifold, FKM, 2 Outlet
20573-00	ORS Manifold, FKM, 3 Outlet
20574-00	ORS Manifold, FKM, 4 Outlet

Quick - Nut Boom End Flash Valves & Adaptors	
Part No.	Description
25137-V0	Boom End Flush Valve with Adaptor, 1" Viton
251337-V0	Adaptor w/ O-Ring QN BEFV to 1" NPTF, Viton
25175-10	Boom End Flush Valve Dust Cap
25175-13	Boom End Flush Valve, Long Handle
25160-02	FKM O-Ring for Boom End Flush Valve
CASE Thin Wall (TWS) Boom End Flush Valve & Adaptor	
41402-V0	Boom End Flush Valve - Used on CASE IH Thin-Walled SS (TWS) Booms, Fits 1.35" O.D. > Shorter thread than QNSST Valve
41403	Male TWs Adaptor x FPT
25160-02	FKM O-Ring for Boom End Flush Valve

Visual Flow Spray Monitors

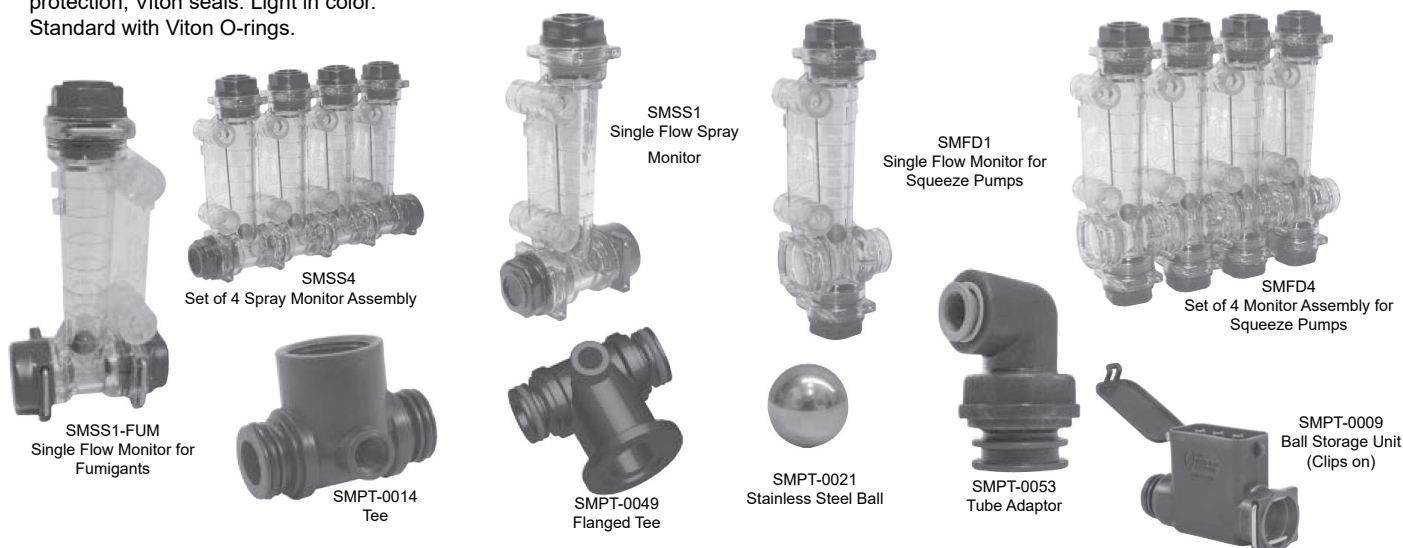


VisaGage II Visual Flow Spray Monitors

CDS-John Blue's VisaGage II will let you know immediately if an outlet is plugged, thus showing possible variations in your application rates.

Features:

- ▶ Manufactured with chemical resistant polypropylene adapters and light blue, clear PVC body with an additive for UV protection.
- ▶ Get the exact number of flow monitors for spraying fertilizer applications by simply banking together single columns, SMSS1 (Spraying) or SMFD1 (fertilizer applications with squeeze or ground drive pumps).
- ▶ The set of 4 flow monitor assemblies (SMSS4 or SMFD4) can also be connected for additional columns divisible by four. Snap them together with the stainless steel clips and o-rings and go.
- ▶ Units with (-FUM) are designed specifically for fumigants, including telone. Constructed of polysulfcone chemical-resistant bodies with UV protection; Viton seals. Light in color.
- ▶ Standard with Viton O-rings.



Spray Monitors	
Part No.	Description
SMSS1	Single Flow Spray Monitor Assembly: Includes single body, 3/8" FPT female inlet & outlet
SMSS4	Set of 4 Flow Monitor Assembly: Includes (4) bodies, 1/2" FPT female inlet, 3/8" female outlet
SMSS4-PE14	Set of 4 Flow Monitor Assembly: Includes (4) bodies, 1/2" FPT female inlet, 1/4" x 90 ° tube fitting outlet
SMSS4-PE38	Set of 4 Flow Monitor Assembly: Includes (4) bodies, 1/2" FPT female inlet, 3/8" x 90 ° tube fitting outlet.

Monitors for use with Squeeze & Ground Drive Pumps	
Part No.	Description
SMFD1	Single Flow squeeze Monitor Assembly - Flow Divider Type: 3/8" FPT inlet/outlet
SMFD1-PE38	Single Flow Monitor Assembly - Flow Divider Type: 3/8" Tube Fitting Inlet; 3/8" x 90 ° Tube fitting outlet
SMFD4	Set of 4 Flow Monitor Assembly - Flow Divider Type: 3/8" FPT inlet/outlet
SMFD4-PE14	Set of 4 Flow Monitor Assembly - Flow Divider Type: 1/4" Tube Fitting Inlet; 1/4" x 90 ° tube Fitting outlet
SMFD4-PE38	Set of 4 Flow Monitor Assembly - Flow Divider Type: 3/8" Tube Fittings Inlet; 3/8" x 90 ° Tube Fitting Outlet

Accessories	
Part No.	Description
SMPT-0053	90 ° 3/8" Tube Adaptor
SMPT-0052	90 ° 5/16" Tube Adaptor
SMPT-0051	90 ° 1/4" Tube Adaptor
SMPT-0009	Ball Storage Unit: Holds up to 40 balls. Lid can be locked
SMPT-0014	Tee: For spray type use with typically (8) total bodies, include 1/4" gauge port, 1" FPT
SMPT-0049	Flanged Tee: For spray type use with typically (8) total bodies, includes 1/4" gauge port, 1" FPT
SMPT-0021	7/16" Stainless Steel Ball: For use with extra high flow rates
SMPT-0007	#212 Viton O-Ring: Used with top and bottom Adaptors
SMPT-0034	#112 Viton O-Ring: Used to seal Orifice plates

Liquid Blockage Monitor System

Liquid Blockage Monitor System

Now You Can Know Your Liquid Application Flow From the Cab of your Tractor!

Identify which row is being under applied before your yield are diminished, saving valuable time and money. This system shows you both Low-Flow and No-Flow problems now, which means you can correct it immediately. No more second guessing if any of your delivery lines are plugged!

Note: Can also be used for NH3 with BU SMFD4-NH3 VisaGauge Flow Monitor.

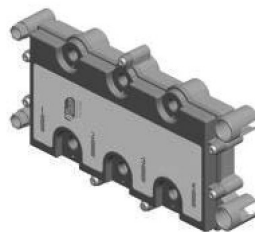
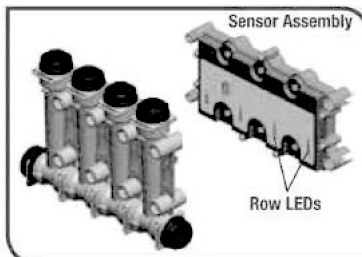


Features of the CDS-John Blue Liquid Blockage Monitor System:

- Uses magnetic sensing technology mounted behind the VisaGauge II Flow Monitors.
- Sensors can be mounted to existing VisaGauges II's, new magnetic balls are supplied with sensors.
- Identifies where magnetic balls are floating in each row during liquid application.
- Only LBMS shows both no-flow and low-flow. Plus the premium I-Pad based systems displays high flow, indicating broken tubing or fittings
- See a visual display and hear an audible alarm on the control panel from your tractor cab.
- Each row with a problem will be highlighted by a flashing LED light at the row. No need to remember or search for which row is blocked after you come to a stop.
- Can be used with cloudy or dark liquids - LED is visible to the column sides.
- The alarm will reset automatically when the blockage has been corrected.
- Includes the ability to "Pause" the system to capture problem rows for investigation later when you are able to stop.
- LBMS I-Pad and other tablet apps are free



JOHN BLUE.
Standard Control Panel
(Wired)



Order (1) Main Kit (8 Rows) Plus 4 Row Expansion Kits to Cover All Your Rows (extra rows or expansion kits are fine)

Premium Wireless System (Ipad 2 or Newer Display Running IOS 6 or Higher)	
Part No.	Description
BMI-08	Premium 8 Row Kit Includes: Ipad Ram Mounting Bracket, Power Harness, 28 ft. Extension Harness, Wireless Sensor Kit, Standard Sensor Kit and (2) Terminator Plugs
BM-08ISO	Premium 8 Row Wireless Kit: ISOBUS
BM-08ISO-JD	Premium 8 Row Wireless Kit: ISOBUS for John Deere
Standard WIRED System *	
Part No.	Description
BM-08PL	Standard Wired 8 Row Kit Includes: Control Panel with Mount Bracket, Input Harness, 28 ft. Extension harness, Tee Harness, (2) Standard Sensor Kits, (2) Terminator Plugs and (2) 15 ft. Extension Harnesses
4-Row Expansion Kit	
Part No.	Description
BMPT-001	4 Row Sensor Expansion Kit for adding to BMI-08, BM-08AP, and BMPT-08PL: Includes Standard Sensor, Tee Harness, Magnet Balls and Hardware
Spare Parts	
Part No.	Description
BMPT-002	Standard Sensor (Replacement)
BMPT-013	15 ft. Harness, Extension Cable
BMPT-015	Terminator Receptical (Replacement)
BMPT-023	RAM Mounting Bracket for IPAD
BMPT-003	Wireless Sensor ONLY (Non ISO)

Chemical Pumps & Transfer Systems



Dura - ABS

Auto-Batch Systems - Direct Injection

The Dura Auto-Batch System DI (Automatic Direct Injection) works by direct injecting herbicides automatically into the sprayer carrier while filling the sprayer tank.

Automated DI (Direct Injection)

- ▶ Filling your sprayer has never been easier or faster
- ▶ Check valves eliminate potential of herbicides backflow
- ▶ Accurately dispenses repeatable batches within 0.5% in ounces, gallons,
- ▶ Eliminates cross contamination
- ▶ Eliminates herbicide exposure and operator error
- ▶ Eliminates rinsing and wasting of chemical
- ▶ 3-way valve provides for easy calibration and provides ability to plumb for recirculation of herbicide tank
- ▶ No data recording; not legal for direct sale



Direct Injectio herbicides into the carrier stream

How it Works:

1. Select the volume desired
2. Press START
3. The ABS Pumps will begin to dispense fluid then automatically shut off when complete

Example fill:

37.5 Gallons of Surestart
37.5 Gallons of Atrazine
25.0 Gallons of Glyphosate
12.5 Gallons of 2,4-D

All direct injected at once in less than 5 1/2 minutes with 2" plumbing

Inductor, inductor Tank & Large Pump Sold Separately	
Part No.	Description
ABS-DI2-4312	* 2" Plumbed, 12 Volt
ABS-DI2-4315	* 2" Plumbed, 110 Volt
ABS-DI3-4312	* 3" Plumbed, 12 Volt
ABS-DI3-4315	* 3" Plumbed, 110 Volt

* These Models include (4) Auto-Batch Pump/Meters. Other Models Available with Different Quantities

Dura - AB

Auto-Batch Meter Only

Upgrade your Dura-Pump to an Auto-Batch System

Works with any Dura-Products 12 Volt or 115 Volt pump. Preset control shuts off pump at desired volume.



- ▶ 2-22 GPM
- ▶ Accuracy is $\pm 0.5\%$
- ▶ Backlit LCD Display with Timeout
- ▶ 40 PSI Pressure Rating
- ▶ Powered by (4) "AAA" Batteries & Strangth Indicator
- ▶ 1" FPT Ports
- ▶ Gallons or Liters
- ▶ -10 ° F. to +130 ° F
- ▶ 12V Model Has 30 Amp internal Fuse
- ▶ 115V Model has 3 AMP internal fuse

Part No.	Description
AB-12E	Auto-Batch Meter, 12 Volt, EPDM
AB-12V	Auto-Batch Meter, 12 Volt, Viton
AB-12S	Auto-Batch Meter, 115 Volt, Silicon
AB-15E	Auto-Batch Meter, 115 Volt, EPDM
AB-15V	Auto-Batch Meter, 115 Volt, Viton
AB-15S	Auto-Batch Meter, 115 Volt, Silicon

Dura - ABV & Banjo EVX Auto Batch Meter with Valve



How it Works:

1. Select the volume desired
2. Press START
3. Banjo EVX Valve will open, fluid is measured and valve automatically closed upon completion.

- Pump not Included -

- ▶ Flow rate: 2 - 22 GPM & maximum Pressure: 40 PSI
- ▶ Meter Accuracy is $\pm 0.5\%$
- ▶ Backlit LCD Display
- ▶ Powered by (4) "AAA" Batteries
- ▶ Wetted Materials: Polypropylene, 304 Stainless Steel, Ryton, EPDM, Viton, or Silicone Seals
- ▶ Moisture Sealed
- ▶ Amount Metered & Batch Count Units Measured is Gallons, Liters, or Ounces
- ▶ Calibration: Quick List or Manual
- ▶ Dimensions: 5 1/4" W 5 1/4" H x 4 1/4" D
- ▶ Operating Temperature is -10 ° F to +130 ° F.
- ▶ Weight is 1.5 Lbs.

Part No.	Description
DURA-ABV-B	Dura AVB Auto Batch Present Meter for 12V Control Valve
MEVX100B	1" Flanged 12V Banjo Valve with 18" Cable & 3 Pin Weather Pack Connector
ABV-MEVX-1	1" Plumbing Kit, Flanged

Dura-Load Station

Features:

- ▶ Input Meters (Viton) (4) chemical
- ▶ Input Pumps: (4) Ag Chemical 15 GPM Dura-Pumps (Viton)
- ▶ Inductor Valves: Electric - For rapid induction of product into main carrier line with simple flip of switch
- ▶ Operator panel: (4) Digital Auto-Batch Systems (Dura-ABS)
- ▶ Tanks: (3) STAINLESS STEEL; 70, 30, & 15 GALLON
- ▶ Output Pump: 3" Electric Banjo Wet Seal Honda Motor
- ▶ Ability to load a 1,000 Gallon Sprayer with up to (4) Chemicals in 5 minutes
- ▶ Reduces Typical Spray Load time by 75%
- ▶ Payback is approximately 20-25 Spraying days (For custom applicator)
- ▶ Powder - Coated Steel frame (Forkliftable)
- ▶ 6" water flush hose (X Ft.) With spray Nozzle
- ▶ All hose Clamps, barbs & nipples
- ▶ Not legal for direct resale

Dura Load Station Dimensions
5' 3" Wide
3' 5" Deep
5' Tall



Part No.	Description
LS-ABS	Dura-Load Station Completer, Viton
LS-ABS-LP	Dura-Load Station Less 3" Discharge Pump, Viton
LS-ABS-E	Dura-Load Station Less 3" Discharge Pump, EPDM

Dura - Meters



- Features: 100% Moisture-Sealed circuitry
- ▶ Extremely tough and impact resistant Lexan faceplate; faceplate also over-molded with Santoprene for chemical resistance
 - ▶ Large 2" tall backlit display with 3/4" + letters for current flow total
 - ▶ Displays show current total, batch total, and totalizer (all resettable); gals, liters, or ounces
 - ▶ Power consumption % remaining (battery strength) also shown on display; runs on (4) "AAA" batteries for long battery life (3" Models use (2) 9 Volt batteries)

- ▶ Can store (5) different calibration factors and also includes a "Quick List" of some common products
- ▶ Unique meter design allows for both inline and 90 ° (back mount) applications
- ▶ Flow rate: 2-22 GPM (3" : 15 - 700 GPM); Accuracy: 0.5%; Maximum Pressure: 40 PSI (150 PSI on 3") ; Operating temperatures: -10 ° to +130 ° F
- ▶ 1" FPT Ports (3" - Banjo flanges)
- ▶ Wetted materials for corrosion resistance: GF Polypropylene, 304SS; EPDM, Viton or Silicon Seals
- ▶ Backed by 2 year warranty

Note: 3" Model had replaceable paddle wheel



Part No.	Description
3000E	1" Dura-Meter, EPDM
3000V	1" Dura-Meter, Viton
3000S	1" Dura-Meter, Silicon *
HFM2E	2" Dura-Meter, EPDM
HFM2V	2" Dura-Meter, Viton
HFM2S	2" Dura-Meter, Silicon
HFM3E	3" Dura-Meter, EPDM
HFM3V	3" Dura-Meter, Viton
HFM3S	3" Dura-Meter, Silicon *
MFP01	1" Electronic Face Assembly Replacment

* Use Silicon Seals for Resicor, Instinet Keystone, Surpass. etc.



SCS 450 Control

FEATURES

- ▶ Total Volume
- ▶ Field Volume Applied
- ▶ Dual Screen Display
- ▶ Total Area & Field Area Applied
- ▶ Serial port STD.
- ▶ 6 section Boom Control
- ▶ 450-10-RR-060P - w/ PHGEN 1 x 10 GPS Speed Senses
- ▶ SCS-450 Console, 6 section control
- ▶ Poly flow meter
- ▶ 1" Regulating valve
- ▶ Raven Radar Gun
- ▶ 450-10-WD-060 - w/ magnetic wheel drive speed sensor

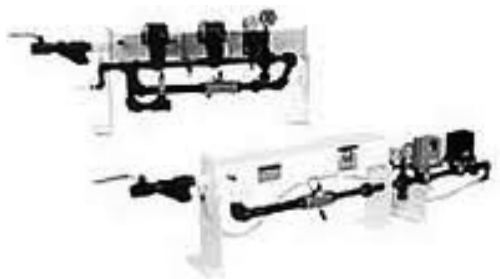
Replacement Components

- ▶ 063-0172-143 - Radar Gun
- ▶ 063-0159-484 - Magnetic Speed Sensor
- ▶ 063-0171-985 - 1 1/2" poly flow meter 1-60-GPM
- ▶ 063-0172-125 - Control Valve replaces 063-0159-445
- ▶ 063-0171-220 - Console SCS450 6 Switch

Cables

- ▶ 115-0159-404 - 6' EXT. cable flow control SCS440
- ▶ 115-0159-526 - 12' cable, flow control SCS440
- ▶ 115-0159-526 - Interface cable, DJ-case
- ▶ 115-0159-700 - Interface cable, radar JD-8000
- ▶ 115-0171-700 - Console cable
- ▶ 115-0159-856 - 12' ERT cable
- ▶ 115-0171-055 - Flow cable 12'
- ▶ 115-0171-129 12' Ext. cable
- ▶ 115-0159-359 - Radar cable Raven
- ▶ 117-0171-165 - Phoenix GPS speed sensor
- ▶ 90-02404 - Teejet GPS speed sensor

ACCU-FLOW



FEATURES INCLUDE:

- Accu-Flow Super Cooler
- 1 1/4" Fast Valve
- RFM605 Flow Meter
- Hand Valve
- 4-Strainer
- Gauges
- Necessary plumbing

- ▶ 117-0171-386 Single Valve 30 GPM Kit
- ▶ 117-0171-384 Dual Valve 30 GPM Kit, includes all above fetures, less fast valve, with 1 1/4" control valve and 1 1/2" on/off valve
- ▶ 063-0171-220 SCS450 Control Kit
- ▶ 115-0171-085 Console Cable
- ▶ 115-0159-856 12' EXT Cable
- ▶ 115-0171-304 Radar Adapter Cable Case

TEEJET GPS GUIDANCE

Matrix 430 Guidance (Broad Aceage)

The Compact Matrix 430 is an easy-to-use, low-cost, graphical guidance system ideal for first time users. The full-color, touchscreen display allows the operator to efficiently navigate fields with minimal skips and overlaps in coverage.

- ▶ Versatile GNSS guidance in a compact, portable package
- ▶ Full time, on screen numeric display of cross-track error with user selectable display of two additional parameters including: worked area, worked time, and ground speed.
- ▶ High-quality, internal GOS/GLONASS engine with ClearPath technology that enhances GNSS performance
- ▶ Guidance modes include: Straight AB, Curved AB, Circle Pivot, and Last Pass
- ▶ Applied alert provides operator with audible alarm when entering previous applied areas
- ▶ Simple reporting function provides coverage reports in .KLM or .PDF

PART NO.	DESCRIPTION
GD430-GLO-P-B	Kit, Matrix 430, GLONASS, Patch Antenna, Battery Leads
GD430-GLO-P-L	Kit, Matrix 430, GLONASS, Patch Antenna, US Lighter Connector
GD430-GLO-R30-B	Kit, Matrix 430, GLONASS, RXA-30 Antenna, Battery Leads
GD430-GLO-R30-L	Kit, Matrix 430, GLONASS, RXA-30 Antenna, US Lighter Connector



Matrix 430VF Guidance (Vineyards/Orchards)

Matrix 430VF is an easy-to-use, reliable, and cost-effective GNSS guidance system specifically design to simplify operations in vineyards and orchards. It offers the functionality and reporting of the original Matrix 430, but with mapping and guidance features specific to these specialized applications.

- ▶ Applied rows are colored to show where applications have occurred, and where skips or double applications have occurred
- ▶ Alerts operator when entering an applied row or area
- ▶ Storage for up to five jobs make record keeping easy
- ▶ Five different machine profiles allow easy switching between machines or machine setups
- ▶ Excellent display visibility in bright light or night
- ▶ Easy to understand and easy to use

PART NO.	DESCRIPTION
GD430VF-GLO-P-B	Kit, Matrix 430VF, GLONASS, Patch Antenna, Battery Leads
GD430VF-GLO-P-L	Kit, Matrix 430VF, GLONASS, Patch Antenna, US Lighter Connector
GD430VF-GLO-R30-B	Kit, Matrix 430VF, GLONASS, RXA-30 Antenna, Battery Leads
GD430VF-GLO-R30-L	Kit, Matrix 430VF, GLONASS, RXA-30 Antennam US Lighter Connector



MATRIX 908 FIELD COMPUTER

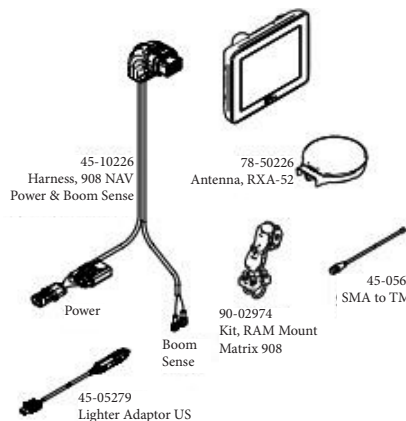
Matrix 908

Matrix 908 is built for expandability, rugged performance, and easy operation in many agricultural and turf applications. As the latest in the Matrix family, the Matrix 908 offers a bright, clear display, intuitive menu structure and long-lasting construction. Choose a field navigation model for GNSS guidance and coverage mapping, including automatic boom coverage control. Or OPT for an ISOBUS-ready model that performs guidance functions plus an ISOBUS UT for sprayer or spreader control. The high-performance, built-in GNSS receiver offers accuracy upgrade options with no change in hardware, making the Matrix 908 a great fit for a wide range of current or future applications.

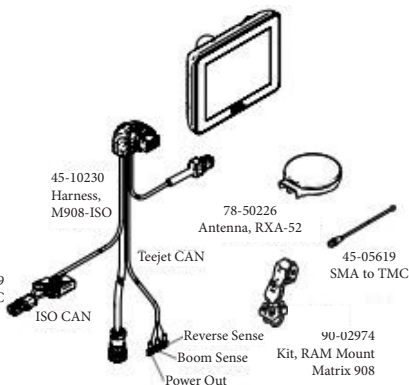
- Integrated GNSS receiver offers upgradable accuracy with no changes in console or antenna hardware
- Base version offers guidance, mapping, and automatic section control; an ISOBUS UT and task control available via convenient feature unlock
- Twin view allows the operator to view guidance and UT screen side-by-side.
- The 8" high-resolution display can be viewed in bright daylight or set to night mode for low-light conditions
- Rugged metal enclosure makes the Matrix 908 durable and long lasting



90-10006-ENUS
Kits Parts Diagram



90-10011-XX
Kits Parts Diagram



Nav with Harness Kits & Internal Receiver

PART NO.	DESCRIPTION
90-1006-ENUS	Kit, M908 NAV-L1-GLO-ENUS
90-1007-ENUS	Kit, M908 NAV-L2+TSL-GLO-ENUS
90-1008-ENUS	Kit, M908 NAV-L2+TSC-GLO-ENUS

ISO with Harness Kits & Internal Receiver

PART NO.	DESCRIPTION
90-10011-ENUS	Kit, M908 ISO-L1-GLO-ENUS
90-10012-ENUS	Kit, M908 ISO-L2+TSL-GLO-ENUS
90-10013-ENUS	Kit, M908 ISO-L2+TSC-GLO-ENUS

M 9 0 8 N A V - L 1 - G L O - E N

Model	
908	8" Screen

Configuration	
NAV	Navigation
ISO	ISOBUS

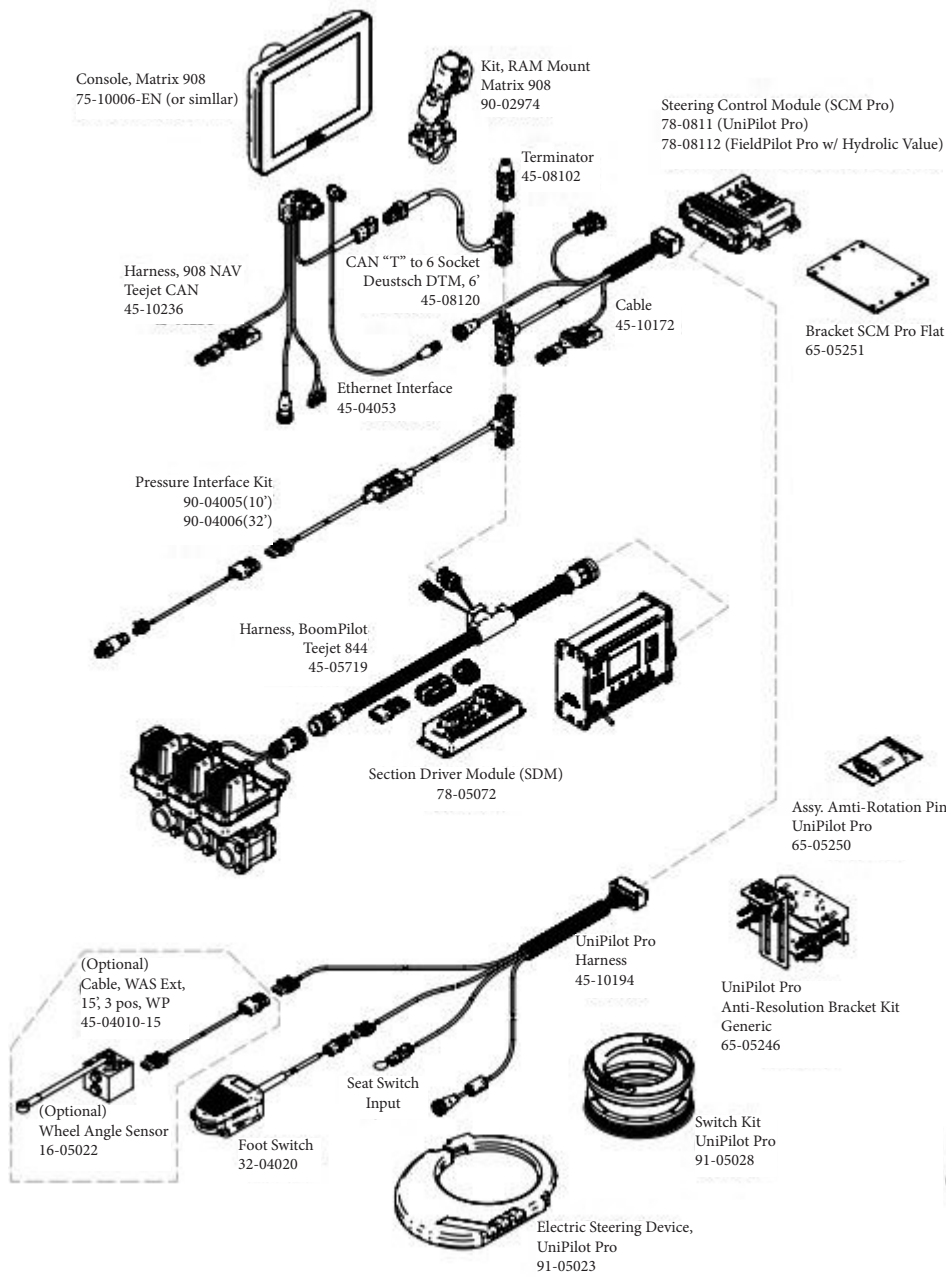
GNSS Frequency Configuration	
N	No Internal Receiver
L1	Single Frequency SBAS
L2+TSL	Dual Frequency with TERRASTAR-L
L2+TSC	Dual Frequency with TERRASTAR-L

GNSS Constellations	
N	No Internal Receiver
GLO	GLONASS

Languages	
EN	English Metric
EN US	English US Units
BG	Bulgarian
CZ	Czech
DA	Danish
DE	German
ES	Central & South America
ET	Estonian
FI	Finnish

MATRIX 908 FIELD COMPUTER

Accessories



UniPilot Pro

- Automatic steering solution
- Easy to install without removing steering wheel
- Fast to transfer between different applications
- Compatible with a broad range of machines
- Upgradable feature for Matrix 908, 570GS, and 840GS consoles



Boompilot Kits

- Automatically control boom section valves according to GPS as applied mapping
- Eliminate costly overlaps or skips that can occur from manual control
- Compatible with sprayers and dry spreaders
- Can control up to 15 sections
- Boompilot kits developed to interface with a wide variety of existing controllers

744E/744A SPRAYERS CONTROL

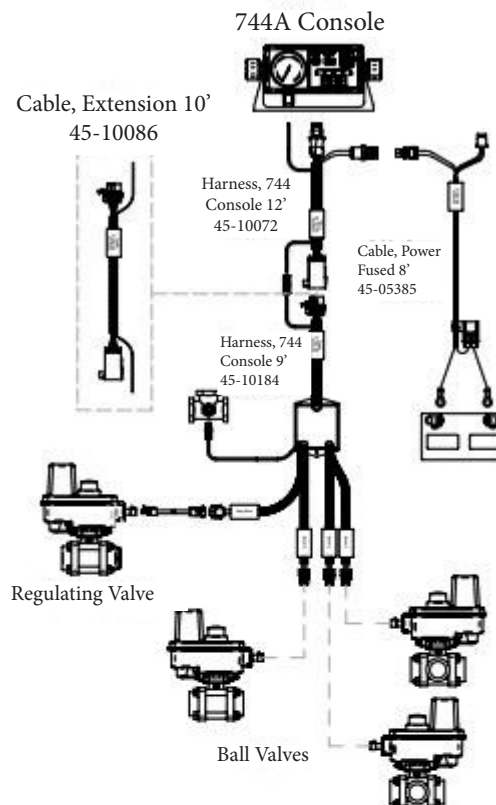


744 Manual Sprayer Controls

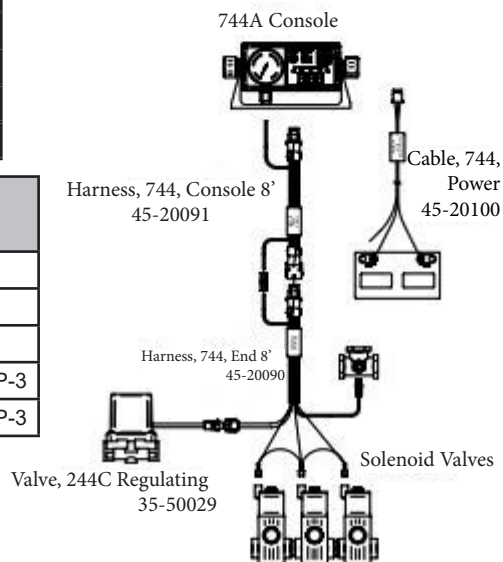
The 744 family of sprayer controls offer simple manual control of electric boom section valves and an electric pressure regulating valve. These controls are available in a range of kits configure for connection to solenoid or ball vales. The 744 offers a backlit pressure gauge and LEDs to indicate section switch status. A convenient master switch allows all boom sections to be switched simultaneously.

- ▶ 744A kits offered with 3 section switches and a choice of 100 PSI or 300 PSI gauges
- ▶ 744E kits offered with 100 PSI gauge and a choice of 3 or 5 section switches
- ▶ Kits include convenient harnesses to make connections fast and easy. Optional extension cables allow custom fit to many machine types

Ball Valve Syatem Diagram



Solenoid Valve System Diagram



3 section 744 (100 PSI) Ball Valve Kits

PART NO.	DESCRIPTION
90-02439-MP	Kit, 744A, 3 Boom 100 PSI, Metri-pack Ball valve harness
90-02439-MD	Kit, 744A, 3 Boom 100 PSI, MINI-DIN Ball valves harness
90-02439-UX	Kit, 744A, 3 Boom 100 PSI, 4 POS WP Valve harness
90-50254	Kit, 744A, 3 Boom 100 PSI, with 430 DIN harness

3 section 744 (100 PSI) Soleniod Kits

PART NO.	DESCRIPTION
90-50149	Kit, 744A, Boom 100 PSI, Solenoid Cables
90-50161	Kit, 744A, Boom 100 PSI, Solenoid Cables, with 244C 3/4 Reg Valve
90-50163	Kit, 744A, 3 Boom 100 PSI, Solenoid Cables, With 244C 3/4 Reg Valve & 144P-3
90-50177	Kit, 744A, 3 Boom 100 PSI, Solenoid Cables, With 244C 3/4 Reg Valve & 144P-3

SENSORS & FLOW METERS

Pressure Sensor

- ▶ Available in two pressure ranges for maximum accuracy in your application
- ▶ Reserves polarity protected
- ▶ Weather-resistant connector
- ▶ 145 PSI and 363 PSI
- ▶ 1/4" NPT connections
- ▶ Sensors can withstand 2x rated pressure without damage



Pressure Sensor

800 Series Flow Meter

- ▶ Turbine style design for optimal accuracy
- ▶ Durable ruby-bearings for long wear life
- ▶ Easily removed "quick check" turbine design for quick clean-up and service
- ▶ Operating voltage of +4.5-16 VDC with LED status light
- ▶ Wetted parts are glass-filled polypropylene, stainless steel and Viton
- ▶ Wide range of plumbing fittings available with DirectoValve flange fittings
- ▶ Wide range of cable connectors for compatibility to many brands of rate controllers

PART NO.	DESCRIPTION	Flow Capacity*
801A	801A Flow Meter, 4 Bolt Flange, 300 PSI	2-45 GPM
801	801 Flow Meter, 50 Series Flange, 300 PSI	2-45 GPM
802	802 Flow Meter, 75 Series Flange, 200 PSI	3-130 GPM

*14.5 PSI pressure drop at max rated flow



801 & 802 Flow Meters

D Seires Flow Meter

- ▶ Simple paddle wheel design for minimal flow restriction
- ▶ Nylon construction for chemical resistant and durability
- ▶ Sensor assembly easily removed for service
- ▶ Pin clip-on hose barbs for easy removal from plumbing systems
- ▶ 230 PSI pressure rating
- ▶ Wide range of cable connectors for compatibility to many brands of rate controllers

PART NO.	DESCRIPTION	Flow Capacity*
D10 Series	10 mm Flow Meter	1-15 GPM
D16 Series	16 mm Flow Meter	2-17 GPM
D20 Series	20 mm Flow Meter	4-38 GPM
D26 Series	26 mm Flow Meter	5-105 GPM

*14.5 PSI pressure drop at max rated flow



16D Flow Meter



20D Flow Meter

GPS Speed Sensor

The GPS Speed Sensor uses a GPS receiver to measure true ground speed, then delivers a frequency signal compatible with the radar speed signal input of on most controllers and monitors

- ▶ Eliminates problems frequently found with radar speed sensors on wet surface with moving crops, or vehicle vibration
- ▶ Convenient enclosure mounts inside cab, only small patch antenna is mounted outside
- ▶ Status LEDs show power, GPS lock, and speed output conditions
- ▶ Wide range of adapter cables available making it compatible with all popular application rate control systems
- ▶ Speed range 0.5-80 MPH



GPS Speed Sensor

FOAM MARKING SYSTEMS

Part Number	Applicator Sprayer	Boom Size	Tank Size	Refill Time (Approx.)		Output (Balls.min)		Foam Nozzels
				Max Rate	Min Rate	Max Rate	Min Rate	
FM-10	ATV Sprayer	Up to 12 ft.	1 gal	1 hrs	3 hrs	22	12	2 Vertical Switching
FM-64	ATV Sprayer	Up to 65 ft.	6.4 gal	2 hrs	2.5 hrs	31	16	2 Vertical Switching



FM-10



FM-64

“Foam concentrate designed to tame the Outback”

Now that you have an investment in “Premium” equipment, it’s time to fill it with “Premium” Concentrate. **RHS Dura-Foam 160**. Because of its low alcohol content, this formula rates highest in heat tolerance and longevity.

For hard water, we highly recommend using **RHS DuraSoft 160**. You’ll use less foam concentrate and produce better foam yet. Also, try **RHS Foam Dye** for hard to see conditions. We especially recommend yellow for night operation.

RHS-FOAM-1 RHS DURAFOAM 160 concentrate

RHS-SOFT-1 Water Softener, Dura Soft 160

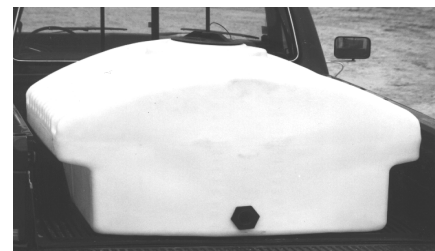


NORWESCO-OEM POLY TANKS



APPLICATOR TANK

PCO TANKS			
PART NO.	GALLONAGE	DIA. X LENGTH	STD. SPEC
NW47023	15 PCO	12 X 15 X 25	E
NW47021	30 PCO	19 X 20 X 25	E
NW47016	50 PCO	19 X 20 X 38	E
NW47017	100 PCO	30 X 26 X 38	E
NW47364	150 PCO	36 X 26 X 48	F
NW47261	200 PCO	36 X 35 X 48	F
NW47258	300 PCO	36 X 35 X 69	G



PICK UP TANK

APPLICATOR TANKS			
PART NO.	GALLONAGE	DIA. X LENGTH	STD. SPEC
NW47233	55	23 X 37	A
NW47415	85	23 X 55	A
NW47374	110	30 X 44	B
NW47113	150	32 X 50	B
NW47276	150	30 X 56	B
NW47209	200	32 X 65	B
NW47409	300	38 X 69	B
NW47699	400	42 X 76	B
NW47474	500	48 X 74	B



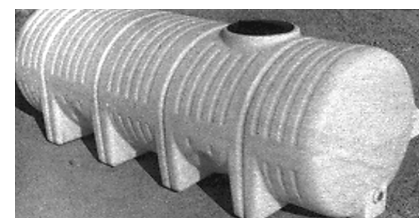
PCO TANK

PICK UP TANKS			
PART NO.	GALLONAGE	DIA. X LENGTH	STD. SPEC
NW40300	210 P/U	60/51 x 28	C
NW40160	325 P/U	62 X 32	C
NW40102	425 P/U	65 X 37	C



ELLIPTICAL TANK

VERTICAL STORAGE TANK			
NW45192	65 vert.	23 x 42	A
NW41856	200 vert.	30 x 72	I
NW47484	300 vert.	35 x 80	I
NW40023	550 vert.	67 x 42	I
NW40070	1100 vert.	87 x 51	I
NW40235	1550 vert.	87 x 65	I
NW40236	1550 vert.	87 X 67 HD	I
NW40051	2500 vert.	95 x 89	I
NW40052	2500 vert.	95 x 91 HD	I
NW40754	3000 vert.	95 x107	I
NW41403	4200 vert.	102 x131	K
NW47618	6500 vert.	102 x 196	K
NW47638	10,500 vert.	130 x 202	K



HORIZONTAL NURSE TANK

ELLIPTICAL TANKS			
NW47710	150 OVAL	24 X 38.5 X 56	B
NW47711	200 OVAL	26 X 40 X 66	B
NW47183	400 OVAL	36 X 57 X 70	B
NW40328	500 OVAL	36 X 57 X 82	B
NW47647	750 OVAL	42 X 69 X 88	C
NW47105	1000 OVAL	49 X 78 X 90	C
NW47638	10,500 vert.	130 x 202	K



VERTICAL STORAGE TANK

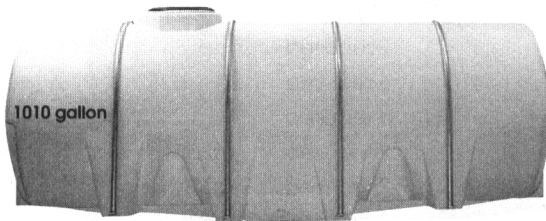
HORIZONTAL NURSE TANKS			
NW45191	65 Leg Tank	23 x 43	A
NW40299	225 Leg Tank	38 x 49	N
NW40217	325 Leg Tank	38 x 69	H
NW47256	500 Nurse	48 x 75	H
NW47421	750 Nurse	48 x 107	H
NW47279	1000 Nurse	48 x 139	H
NW47291	1650 Nurse	62 x 139	H
TRACTOR SADDLE TANKS			
NW47365	500 CAW	24 X 47	
NW47121	200 Cutaway	24 x 54	B
NW47448	250 Cutaway	24 x 60	B
NW47369	500 CAW	51 X 50	

Elliptical Leg Tanks

This elliptical tank style is designed to provide the greatest capacity with the lowest center of gravity, making it the best design available for transporting larger volumes. NORWESCO elliptical tanks feature molded-in legs and flow-through baffles which work together to reduce sloshing and provide increased stability during transport. All NORWESCO elliptical leg tanks require full length bottom support as well as support bands.



ELLIPTICAL LEG TANKS							
GAL CAPACITY	WIDTH	HEIGHT	LENGTH	FILL OPENING	OUTLET/DRAIN	PREMIUM WEIGHT	HD BLUE
1035	79"	53"	89"	16"	2"	40191	---
1235	65"	52"	128"	16"	2"	40239	---
1635	71"	57"	142"	16"	2"	40387	40388
2035	84"	55"	142"	16"	2"	40618	40623
2635	90"	71"	140"	16"	3"/2"	40547	40283
3135	88"	76"	151"	16"	3"/2"	40686	40688
4035	92"	77"	192"	16"	3"/2"	41267	41269



Drainable Leg Tanks

When complete drainage is necessary, these are the tanks of choice. They are designed primarily for use on fertilizer and chemical nurse trailers. All NORWESCO drainable tanks require full length bottom support as well as support bands. Sloped For Complete Drainage.

ELLIPTICAL LEG TANKS								
GAL CAPACITY	WIDTH	HEIGHT	LENGTH	FILL OPENING	OUTLET/DRAIN	NO. OF BANDS	PREMIUM WEIGHT	HD BLUE
710	47"	47"	104"	16"	2"	3 REQUIRED	40657	40651
1110	47"	47"	140"	16"	2"	4 REQUIRED	40395	40393
1310	66"	76"	99"	16"	---	3 REQUIRED	41871	41872
1610(ELLIPTICAL)	69"	63"	140"	16"	---	4 REQUIRED	40806	40808
2610(ELLIPTICAL)	90"	70"	140"	16"	---	4 REQUIRED	41382	41383
3210(ELLIPTICAL)	92"	74"	178"	16"	---	4 REQUIRED	40824	40027

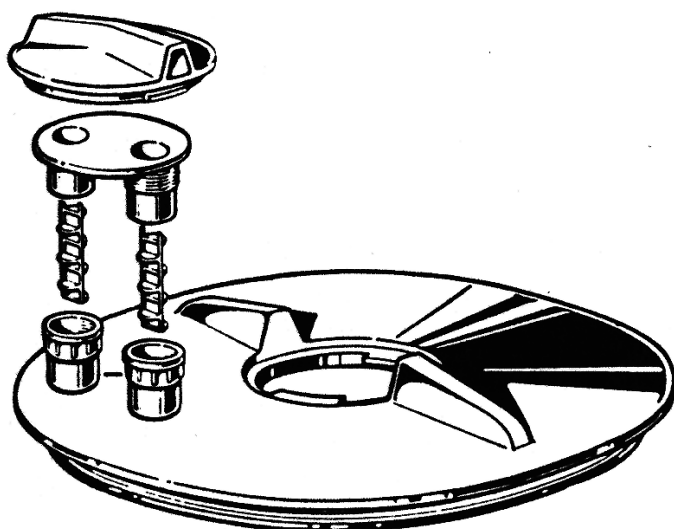
POLY TANK ACCESSORIES

REPLACEMENT FITTING ASSEMBLY

PART NO.	SIZE	HOLE SIZE
NW62834	1/2" DT	1 7/16"
NW60401	3/4" DT	1 7/16"
NW62798	3/4" DT/HD	1 5/8"
NW60427	1" DT	2 1/4"
NW60403	1 1/4" DT	2 1/4"
NW63065	1 1/4" AV	2 1/4"
NW60124	1 1/2" DT	3"
NW60405	2" DT	3"
NW63683	2" DT/HD	3 1/4"
NW62299	3" DT	4 1/2"
NW62399	2"	ANTI-VORTEX ADAPTOR
NW62171	4"	DOUBLE THREADED
NW63038	2"	SS DT BOLT ON
NW63039	3"	SS DT BOLT ON

FILLWELLS, COVERS & STRAINER BASKETS

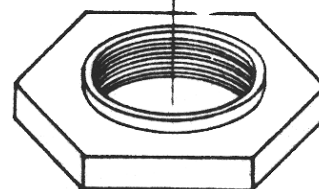
PART NO.	SIZE
NW67400	10" DIAMETER, THREADED FILLWELL
NW67399	COVER - 10" THREADED W/BAFFLE VENT
NW60012	16" DIAMETER FILLWELL
NW60038	16" LID & RING W/ 4" CENTER LID W/ AIR VENT
NW60019	4" LID W/ VENT FOR 16" COVER
NW67375	10" STRAINER BASKET
NW62532	16" HINGED LID W/ RING & VENT
NW60011	16" LID



NW60038 16" Lid & Ring w/4" Center Lid w/Air Vent
NW60019 4" Lid w/Vent for 16" Cover

Fittings for Polyethylene

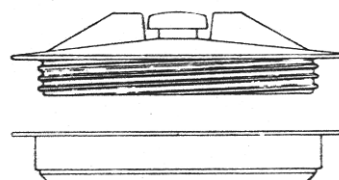
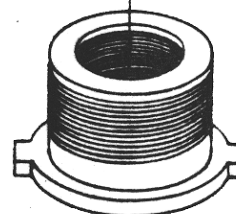
Nut



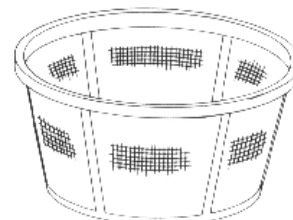
O-Ring



Fitting
Body

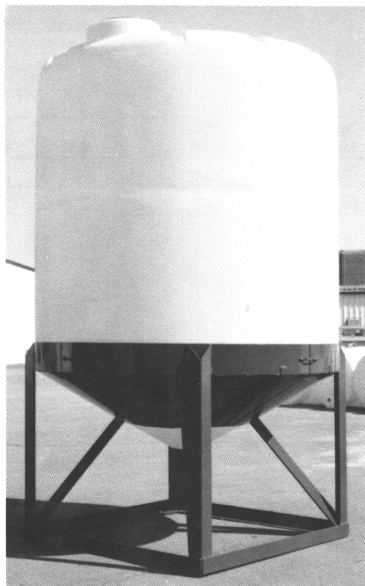


NW67399- Cover - 10" Threaded
NW67400- Cover - 10" Fillwell



STRAINER BASKET
NW67375-10" Strainer Basket
NW67374-16" Strainer Basket

NORWESCO-OEM POLY TANKS



CONE BOTTOM STORAGE TANKS W/POLY STANDS			
Part #	Gallorage	Dia x Length	STD Spec
NW60113	175 CONE	42 X 49	C
NW62343	300 CONE	49 X 61	C
NW40289	500 CONE	48 X 85	D
CROPCARE TANKS			
NW47920	750 NARROW	48 X 51 X 90	J
DRAINABLE LEG TANKS			
NW40395	HD1010	47 X 47X140	L
NW40806	1610	69X63X140	M

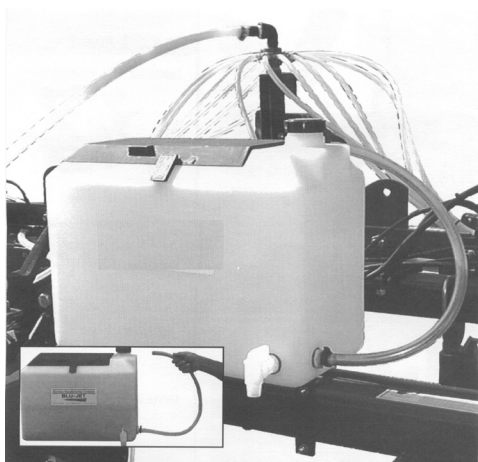
STANDARD TANK SPECS:

- A. 5" fillwell with cover, (1) 3/4" EPDM fitting
- B. 10" threaded fillwell with cover, (1) 3/4" and (1)-1 1/4" EPDM fitting
- C. 10" threaded fillwell with cover, (1)-2" EPDM fitting
- D. 16" threaded fillwell with cover, (1)-2" EPDM fitting
- E. 5" fillwell with cover, no fittings
- F. 10" threaded fillwell with cover, no fittings
- G. 16" threaded fillwell with cover and ss baffl

- H. 16" threaded fillwell with cover and (1)-2" siphon with EPDM fitting
- I. 10" threaded fillwell with cover and (1)-2" siphon with EPDM fitting
- J. 16" threaded fillwell with cover and (1)-3/4", (1) 1 1/4" & 5 gal. wash tank
- K. 16" threaded fillwell with cover and (1)-3" siphon with EPDM fitting
- L. 16" threaded fillwell with cover and (1)-2" siphon with EPDM fitting
- M. 16" hinged Lid, no fittings
- N. 8" threaded fillwell with cover and (1)-2" siphon with EPDM fitting

9 GAL. SAFETY WATER TANK

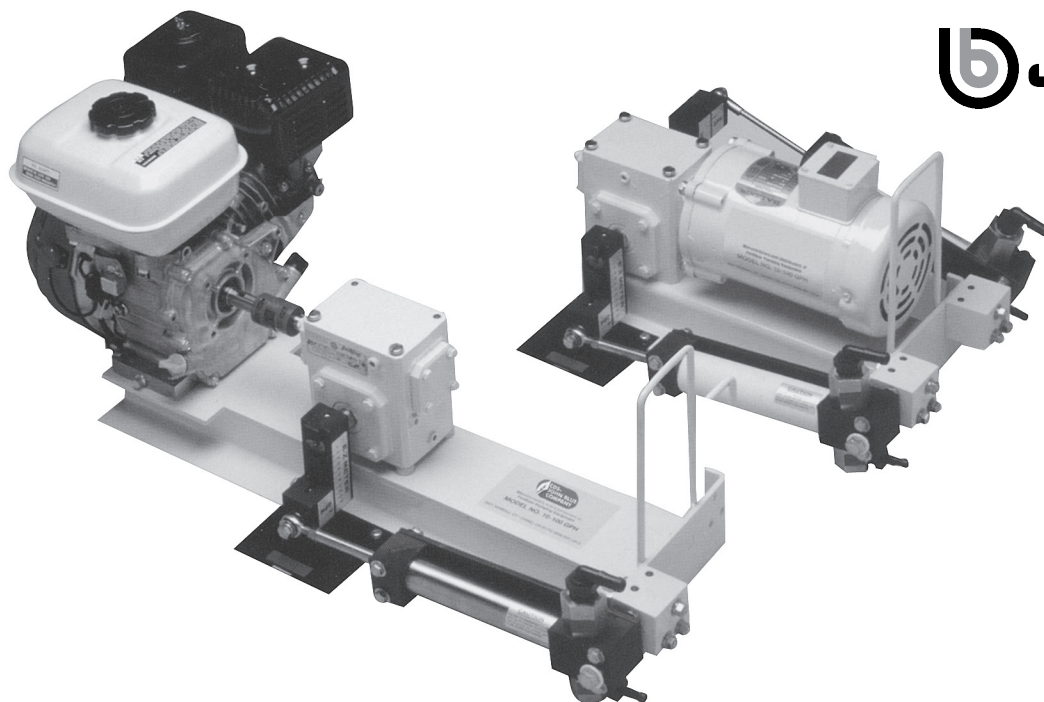
NW47036 - 10 X 14 X 20



TANK SADDLES	
Part #	Tank Fit
NW60303	55-85 GAL. X 23" SADDLE
NW60315	30" SADDLE SET, 110 & 150
1-14025	200-32" SADDLE ASSEMBLY
1-14020	300-38" SADDLE ASSEMBLY
NW63022	400-42" SADDLE ASSEMBLY
NW63023	500-48" SADDLE ASSEMBLY
1-19022	150 GAL. ELLIPTICAL SKID
NW63015	200 ELIPTICAL SKID
NW63016	300 ELIPTICAL SKID
NW63017	400 ELIPTICAL SKID
NW63018	500 ELIPTICAL SKID
NW60478	BAND, 225,325 LEG
NW67101	BAND-500,750,&1000 HORIZONTAL LEG
NW67246	BAND-1650 HORIZONTAL LEG
NW60584	BAND-SHORT, 710 & 1010 DRAINABLE LEG
NW60585	BAND-LONG, 1010, DRAINABLE LEG

POLY STORAGE TANK

FERTILIZER AND CHEMICAL IRRIGATION INJECTION UNITS



John Blue Series 2000 Simplex Pumps - Maximum Pressure 150 PSI

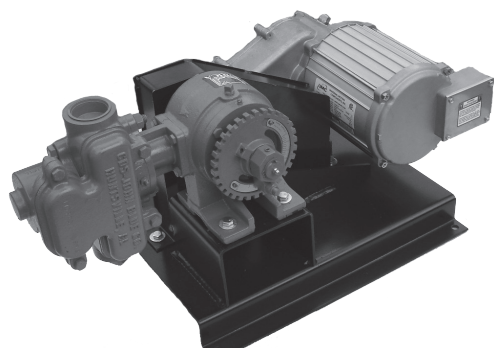
Power Source	5-30 GPH	10-100 GPH
110-220 1 PH	10620	11630
220-440 3 PH	20620	21630
Belt Drive	01620	01630
Honda Engine	02620	02630
12V DC Moter	30620	30630

John Blue Series 2000 Duplex Pumps - Maximum Pressure 150 PSI - Duplex Unit Pumps 2 Liquids

Power Source	5-30 GPH 5-30 GPH	5-30 GPH 10-100 GPH	10-100 GPH 10-100 GPH
110-220 1 PH	10622	10623	10633
220-440 3 PH	20622	20623	20633
Belt Drive	01622	01623	01633
Honda	02622	02623	02633
12V DC	30622	30623	30633

SPECIAL PUMPS IRRIGATION INJECTION - Fertilizer - Chemical

Irrigation injection of fertilizer, chemical injection. These special pumps are all positive displacement piston pumps and variable stroke for ease of adjustment.

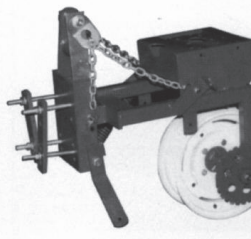
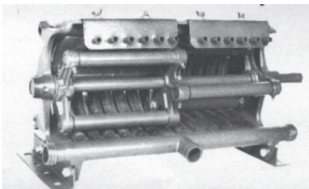


IN-23510-NGP Fertilizer Injection Unit w/ 1 Ph. Motor 5.5 -242 gal./hr.

IN-23530-NGP Fertilizer Injection Unit w/ 3 Ph. Motor 3.0-235 gal./hr.

IN-47030-NGP Fertilizer Injection Unit w/ 3 Ph. Motor 6-470 g/h

These pumps feature a heavy duty cast iron body to hold them true when mounted on equipment that has to flex over rough terrain. The floating aluminum alloy back plate provides a positive shutoff when the pump stops.



SPECIFICATIONS:

MAXIMUM OUTPUT PER HOSE

5/16 diameter hose - .58 GPM

1/2 diameter hose - 1.4 GPM

MAXIMUM SPEED: 125 RPM

MAXIMUM PRESSURE: 5 PSI

HORSEPOWER REQUIRED PER HOSE

5/16 diameter hose - .03 HP

1/2 diameter hose - .05 HP

"C" MODEL SQUEEZE PUMPS WITH LUBRICATED NYLON BEARINGS

L-6-C	6 HOSE	1/2" ID	1/2" DISCHARGE	1" SUCTION
L-8-C	8 HOSE	5/16" ID	3/8" DISCHARGE	1" SUCTION
L-8-LC	8 HOSE	1/2" ID	1/2" DISCHARGE	1 1/4" SUCTION
L-12-C	12 HOSE	1/2" ID	1/2" DISCHARGE	1 1/4" SUCTION
L-16-C	16 HOSE	5/16" ID	3/8" DISCHARGE	1 1/4" SUCTION

OPTIONAL ACCESSORIES

L-4512	BASE SPROCKET PACKAGE (7 COMBINATIONS)
L-4513	SPROCKET-SET

PUMP DRIVES

L-1960-L	GAUGE WHEEL LH 3 X 3 BAR (KNOCKED DOWN LESS TIRE)
L-1963	SQUEEZE PUMP MT. & DRIVE FOR GAUGE WHEEL
DRV-3050	UNIVERSAL SQUEEZE PUMP MOUNTING

CHECK VALVES

CV-1101	1 LB. W/ 1/4" FPT
CV-1101-B14	1 LB. W/ 1/4" HOSE BARBS
CV-1101-B38	1 LB. W/ 3/8" HOSE BARBS
CV-1101-B12	1 LB. W/ 1/2" HOSE BARBS

MISCELLANEOUS COMPONENTS

PART NO.	DESCRIPTION
111698-01	HUB ADAPTOR - 4 BOLT
111699-02	HUB SPROCKET ADAPTOR - 5 BOLT
112612-01	HUB ADAPTOR - 6 BOLT
L-1414	SPROCKET ADAPTOR 7/8" BORE
L-1414-1	SPROCKET RETAINER 7/8" BORE
L-4414	SPROCKET RETAINER 7/8" BORE
L-4414-1	SPROCKET RETAINER 1" BORE
112838	SPROCKET RETAINER 7/8" HEX
112839	SPROCKET ADAPTOR 7/8" HEX
L-1383	8 TOOTH SPROCKET
L-1384	9 TOOTH SPROCKET
L-1385	10 TOOTH SPROCKET
L-1386	15 TOOTH SPROCKET
L-1381	20 TOOTH SPROCKET
L-1387	22 TOOTH SPROCKET
L-1387	23 TOOTH SPROCKET
L-1389	26 TOOTH SPROCKET
L-1390	30 TOOTH SPROCKET
L-1391	31 TOOTH SPROCKET
L-1392	32 TOOTH SPROCKET
REPLACEMENT HOSE	
87249	1/2" ID
87250	5/16" ID

SQUEEZE PUMP ROLLERS

PART NO.	LENGTH	ROLLER DIA	SMALL SMOOTH PIN ON ENDS	ENDS W/ GROOVES	USED IN PUMPS
L-1252	7 1/16"	1"	NO	YES	L-6, L-12, L-12-S
L-1322	7 1/16"	1 1/8"	NO	YES	L-8, L-12-S, L-16
L-4460	18 19/32"	1 1/8"	YES	NO	L-20-B
L-1462	8 27/32"	1 1/8"	NO	YES	L-20
L-1217	10 11/16"	1 1/8"	YES	NO	L-16-LB
L-1424	15"	1"	NO	YES	L-8-L
L-4449	15 1/16"	1"	YES	NO	L-8-LB, L-12-B
L-4448	15 1/16"	1 1/8"	YES	NO	L-16-B
108097-01	7 9/16"	1"	NO	YES	L-4-C, 1-6-C, L-12-SC, L-12-C
108096-01	7 9/16"	1 1/8"	NO	YES	L-8-C, L-12-SC, L-16-C
108046-91	7 5/8"	1"	YES	NO	L-6-BC
108049-91	7 5/8"	1 1/8"	YES	NO	L-8-BC, L-24-BC
108507-01	16"	1 1/8"	NO	YES	L-8-LC
108510-91	16 1/6"	1"	YES	NO	L-8-LBC, L-12-BC
108508-91	16 1/6"	1 1/8"	YES	NO	L-12-SBC, L-16-BC, L-24-BC
L-4456	7 1/8"	1"	YES	NO	L-6-B
L-4459	7 1/8"	1 1/8"	YES	NO	L-8-B

SQUEEZE PUMPS

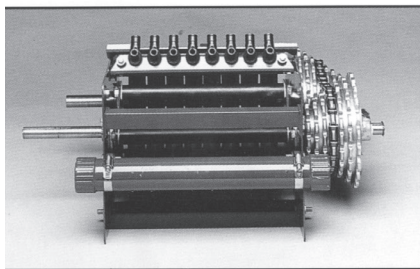


How to order the pump you need:

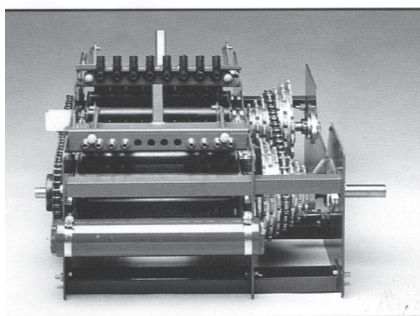
- Determine the number of outlets required (one for each application point). Example: If 14 outlets are required, the 16 outlet pump would be used.
- Determine tube size (5/8" "L" model or 3/8" "B" model), using this formula; shank or outlet spacing (inches) x working speed (MPH) x Desired application rate (In gallons per acre - GPA)
- If result is 1501 or more, use 5/8" "L" model, 1000 to 1500, use 5/8" "L" model or 3/8" "B" model, 1000 or less use 3/8" "B" model, for easiest adjustment.

Replacement Squeeze Hose:

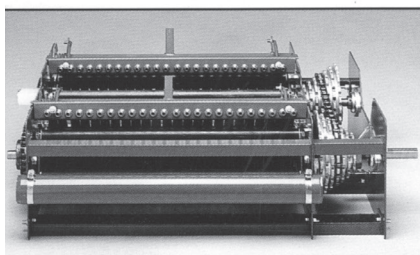
- 08-0010 - B Series Tube
- 08-0020 - L Series Tube



Single Pumps are built with a single roller assembly and manifold. They come standard with a jackshift, aluminum multi-sprockets, chain and standard clutch.



Combination Pumps are double pumps that have two different tube sizes. This pump is ideal when two widely different rates are metered at the same time. Combination pumps include a jack-shaft, aluminum multi-sprockets and chain.



Double Pumps are built with two roller assemblies and two manifolds. This unique system of two roller assemblies with two independent manifolds, exclusive to the CDS-JOHN BLUE squeeze tube pumps, provides more outlets and permits two different products and/or two different rates to be metered at the same time. Double pumps include a jack-shaft, aluminum multi-sprockets and chain.

Squeeze Pump Maximum Output at 100 RPM Pumps may be operated as low as 5 RPM				
	Operating Speed - MPH	12" Row	GPA 30" Row	36" Row
"B" Pump	3.5	90	36	30
	4.0	77	31	26
	4.5	69	28	23
	5.0	62	25	20
	6.0	51	20	17
"L" Pump	3.5	180	72	60
	4.0	155	62	52
	4.5	139	56	47
	5.0	124	50	41
	6.0	103	41	34

Single Pumps		
Model	Outlet	Size
8B-1	8	3/8"
8L	8	5/8"
12B-1	12	3/8"
12L	12	5/8"
16B-1	16	3/8"
16L	16	5/8"
24B-1	24	3/8"

Combination Pumps		
Model	Outlet	Size
8B-1/8L	16	(B) 3/8" / (L) 5/8"
12B-1/8L	20	(B) 3/8" / (L) 5/8"

Double Pumps		
Model	Outlet	Size
24LD	24	5/8"
48BD-1	48	5/8"

CENTRIFUGAL PUMPS

John Blue built *Vac-U-Seal centrifugal pump is considered a leader in the field of high volume, low pressure pumping of liquid fertilizers. These pumps can be operated dry for short durations with no damage, since the double seals are lubricated by an independently filled chamber of water and antifreeze. The impeller is a closed end design which means that when wear occurs, the pump will not lose efficiency; nor will adjustments be necessary with shims. *Vac-U-Seal pumps are cast iron constructed and available in 2" and 3" sizes, and in both self-priming or high efficiency straight models.

SP-3240 SELF PRIMING 2" PUMP

- ▶ Double viton seals (**SP-3240-E**) w/C-face adapter
- ▶ Maximum capacity: 152 GPM
- ▶ Maximum pressure: 42 PSI
- ▶ Maximum speed: 3500 RPM
- ▶ Maximum HP: 5
- ▶ 2" FPT inlet -2" FPT outlet

S-3220 STRAIGHT 2" PUMP

- ▶ Double viton seals(**S-3220-P**)w/Pedestal
- ▶ Maximum capacity: 197 GPM
- ▶ Maximum pressure: 39 PSI
- ▶ Maximum speed: 3500 RPM
- ▶ Maximum HP: 5 (based on electric motor with full voltage)
- ▶ 2" FPT inlet - 2" FPT outlet

SP-3340 SELF PRIMING 3" PUMP

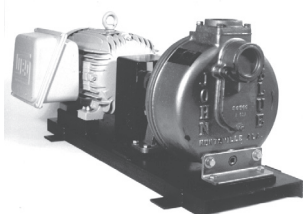
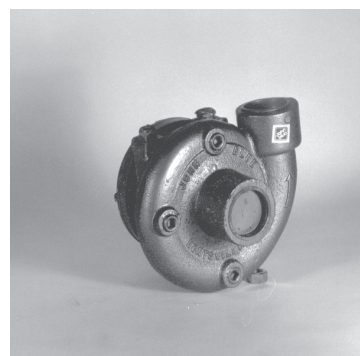
- ▶ Double viton seals(**SP-3340-E**) w/ C-face adapter
- ▶ Maximum capacity: 308 GPM
- ▶ Maximum pressure: 65 PSI
- ▶ Maximum speed: 3500 RPM
- ▶ Maximum HP: 10
- ▶ 3" FPT inlet and 3" FPT outlet

S-3320 STRAIGHT 3" PUMP

- ▶ Double viton seals
- ▶ Maximum capacity: 365 GPM
- ▶ Maximum speed: 3500 RPM
- ▶ Maximum HP: 10 HP
- ▶ 3" FPT inlet and 3" FPT outlet

S-3325-P STRAIGHT 3" TRUCK PUMP WITH PEDESTAL

- ▶ Double viton seals
- ▶ Maximum capacity: 463 GPM
- ▶ Maximum pressure: 99 PSI
- ▶ Maximum speed: 4500 RPM
- ▶ Maximum HP: 16.5 HP
- ▶ 3" FPT inlet and 3" FPT outlet



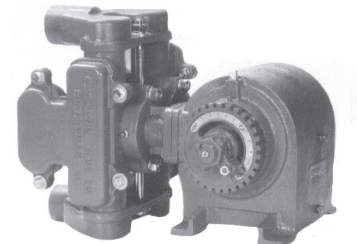
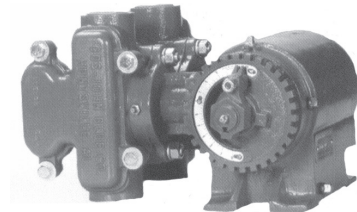
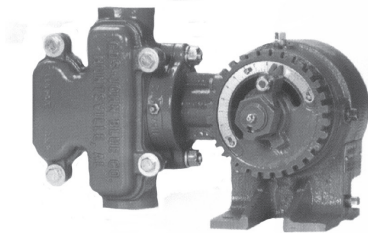
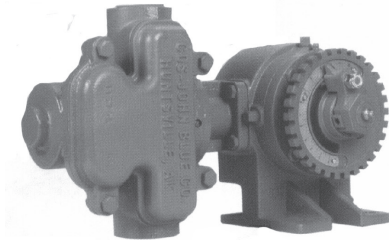
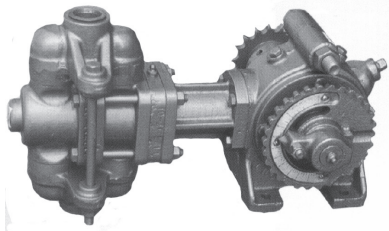
SP-3240-PH = 2" Self priming - with hydraulic drive

S-3220-PH = 2" Straight - with hydraulic drive

SP-3240-E5T3B = 2" Self priming- with 5 HP TEFC 3 phase electric motor

SP-3340-E10TB = 3" Self priming - with 10 HP TEFC 3 phase electric motor

Single Phase motors available



Additional Model Options [-suffix]:

- DR** denotes independent dual inlet & outlet
- K denotes pump less sprocket
- R denotes RC40 chain 18 tooth sprocket
- S denotes 316SS wet-end castings
- U denotes Viton wet-end o-rings and rod packing
- **DR only available on double pistol NGP-8050 & NGP-9050

NGP-4055-F SERIES	
SINGLE PISTON - DOUBLE ACTION	RATED SPEED - 550 RPM
STROKE - VARRIABLE	INLET - 1" FPT
RATE FLOW - 12.5 GPM	OUTLET - 1" FPT
RATED PRESSURE - 120 PSI	CLUTCH - NO CLUTCH
NGP-4055-F WITHOUT CLUTCH REPAIR KIT - 116134	

NGP-6050 SERIES*	
SINGLE PISTON - DOUBLE ACTING	RATED SPEED - 450 RPM
STROLE - VARIABLE	INLET - 1 1/2" FPT
RATE FLOW - 24 GPM	OUTLET - 1 1/2" FPT
RATED PRESSURE - 120 PSI	CLUTCH - VARIOUS OPTIONS
NGP-6050 - ROPE CONTROL CLUTCH NGP-6055 - METERING PUMP REPAIR KIT - 115788	

NGP-7050 SERIES	
SINGLE PISTON - DOUBLE ACTING	RATED SPEED - 450 RPM
STROKE - VARIABLE	INLET - 1 1/2" FPT
RATE FLOW - 34.2 GPM	OUTLET - 1 1/2" FPT
RATED PRESSURE - 120 PSI	CLUTCH - VARIOUS CLUTCH
NGP-7050 - ROPE CONTROL CLUTCH NGP-7055 - METERING PUMP REPAIR KIT - 115688	

NGP-8050 SERIES	
DOUBLE PISTON - DOUBLE ACTING	RATED SPEED - 450 RPM
STROKE - VARIABLE	INLET - 1 1/2" FPT
RATED FLOW - 42 GPM	OUTLET - 1 1/2" FPT
RATED PRESSURE - 120 PSI	CLUTCH - VARIOUS CLUTCH
NGP-8050 - ROPE CONTROL CLUTCH NGP-8055 - METERING PUMP REPAIR KIT - 115789	

NGP-9050 SERIES	
DOUBLE PISTON - DOUBLE ACTING	RATED SPEED - 450 RPM
STROKE - VARIABLE	INLET - 1 1/2" FPT
RATE FLOW - 68.4 GPM	OUTLET - 1 1/2" FPT
RATED PRESSURE - 120 PSI	CLUTCH - VARIOUS CLUTCH
NGP-9050 - ROPE CONTROL CLUTCH NGP-9055 - METERING PUMP *EQUIVALENT LM - 4950 SERIES RATE FLOW BASED ON 12 LBS PER GALLON FERTILIZER 316SS AVAILABLE WITH WET END REPPAIR KIT - 115689	

ADDITIONAL KIT MODULES	
115670 MANUAL CLUTCH ADD ON - NGP UNIVERSAL	
115671 HYDRAULIC CLUTCH ADD ON - NGP UNIVERSAL	
115672 ELECTRIC CLUTCH ADD ON - NGP UNIVERSAL	
115674 STAINLESS WET-END CONVERSION - NGP-7050 SERIES	
**DR PUMPS MAY USE 2 SINGLE PISTON STAINLESS CONVERSION KIT	

Note: For Viton seals add -u after the pump part number.

Standard Piston Pumps are manufactured with Viton Piston Packings and Buna o-rings and rod packings.

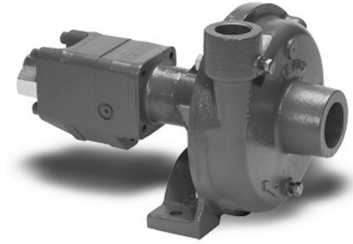
CENTRIFUGAL PUMPS

ACE HYDRAULIC MOTOR DRIVEN

GENERAL ADVANTAGES

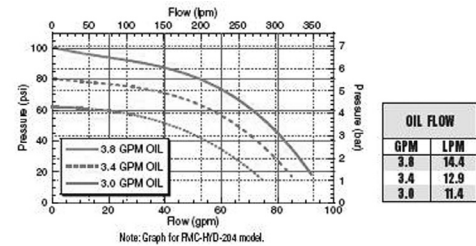
Ace developed the first hydraulic motor driven pump at the request of John Deere in 1969. Many of the original pumps are still operating today after more than 50 years of service.

Centrifugal pump design provides good resistance to abrasive solutions and extra flow for agitation. The advantages of the hydraulic motor driven pump are mounting versatility, customized performance, and ease of maintenance. All hydraulic driven pumps are equipped with a stainless steel shaft and wear ring for excellent corrosion resistance.



**FMC-HYD-204
FMC-HYD-210
FMC-HYD-310
FMC-200-HYD-210**

- **MOUNTING VERSATILITY:** The location of the pump is not tied to the PTO or engine drive shaft; the pump can be mounted in a variety of locations to suit application requirements.
- **CUSTOMIZED PERFORMANCE:** The performance is dependent on the supply of hydraulic oil to the motor and not necessarily tied to engine speed. A hydraulic driven pump can produce higher pressures than PTO or belt driven pumps. They can also hold constant pressure at varying engine speeds on closed center hydraulic systems.
- **EASY MAINTENANCE:** On a hydraulic driven pump there are no belts to align or break. Separate pump and hydraulic motor shafts simplify repair and replacement. Two main pump bearings support shaft loads. All pumps are equipped with easily replaceable Viton® mechanical seals.



ACE PTO DRIVEN CENTRIFUGAL PUMPS

PTOC-600 PTOC-1000

GENERAL ADVANTAGES

The key to success of the Ace belt driven pump has been the Spring Loaded Idler. The idler maintains proper belt tension which minimizes the load on the pump bearings. More importantly, the idler helps absorb the shock of PTO engagement that can destroy cog belts or gears.

Model PTOC belt driven pumps are easy to operate and maintain. Belts can be replaced in the field with minimum downtime and at little cost. Maintenance features also include sealed ball bearings and a readily replaceable mechanical seal. The belt guard provides complete coverage of the pulleys, shaft and belt. All PTO driven Roundup logo pumps are equipped with a stainless steel shaft and wear ring for excellent corrosion resistance.

- The original belt drive standard since 1964
- Time tested and field proven design
- Widespread parts and service availability
- Most Economical belt drive

**MAXIMUM PRESSURE: 80 PSI (5.5 BAR)
MAXIMUM FLOW: 65 GPM (246 LPM)**



1-1/4	1
SUCTION	DISCHARGE

**PTOC-600-QC
COUPLER
PTOC-600-B
SHAFT
FMC-MIA**

**ACE CENT PUMP, PTO MOUNTED W/QUICK
ACE CENT. PUMP, BASE MOUNTED W/ 1"
ACE REPAIR PUMP HEAD ONLY**

12 VOLT DIAPHRAGM PUMP

8000-543-136

- ▶ 12V Self-priming polypropylene pump
- ▶ 1.8 GPM, 40 - 60 psi w/demand switch

8000-543-238

- ▶ High pressure pump 12V DC Pump
- ▶ 100 psi, 1.6 gpm max.

2088-343-435

- ▶ 12V DC Pump
- ▶ 45 psi, 3 gpm max.

2088-514-144

- ▶ 12 Volt DC Pump
- ▶ 4 gpm

2088-313-145

- ▶ w/fin cooled motor
- ▶ 3.6 g/m pump

2088-394-144

- ▶ 115 Volt Pump
- ▶ 40 psi, 3.2 g/pm

94-375-05

- ▶ Replacement 12 Volt Pressure Switch, 8000 Series

94-395-06

- ▶ Santoprene diaphragm kit, 8000 Series

94-390-05

- ▶ Valve kit, 8000 Series, Viton

94-375-15

- ▶ 12 Volt Pressure Switch 100 psi 8000 vth

94-231-30

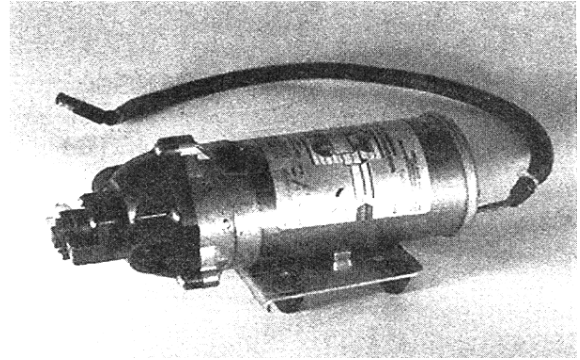
- ▶ Upper housing, 2088 Series

94-232-05

- ▶ Valve kit, 2088 Series

94-238-03

AP1816W..4.8 GPM 12 VOLT



5059-1311-D011 12V, 5 gpm psi pump

SS25-2-2 25 Gal. Spot Sprayer

- ▶ 70 psi, MAX, 2.2 g/m pump 15' hose, adj. wand

SS-25-3 DELUXE SPRAYER

- ▶ W/AA43 GUN 25 GAL. TANK W/3 G/M PUMP

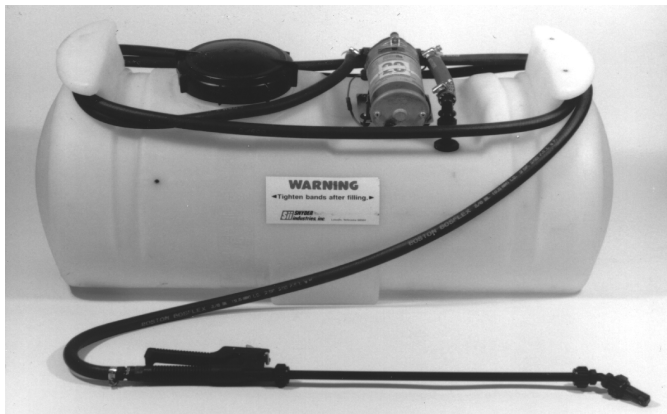
SS-15/25 KIT

- ▶ Wire kit w/10' 16/2 wire, switch, fuse, connector, and battery clips

SS-15/25AG Agitation Kit-Spot Sprayer

- ▶ **7870-101E-SB - 7 GPM, 12 volt, 60 PSI on demand**
- ▶ **7870-11E-SB - 7 GPM, 12 volt, by pass**

Part No.	Description
NW47030	15 Gallon Tank Only
NW47031	25 Gallon Tank Only
1-15041	Boom Adaptor



SS-25 SPOT SPRAYER & BOOM

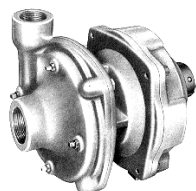
- ▶ Shown with High Volume 2088VT Pump and UT-507 12' Folding Boom

SS-160 60" SPOT SPRAYER BOOM

- ▶ 5' Boom package w/valve, gauge and agitator



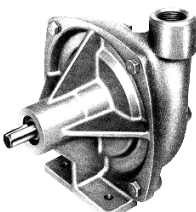
HYPRO CENTRIFUGAL PUMPS



9000 GEAR DRIVEN MODELS

MODEL NO.	MAX GPM.	MAX PSI	MAX RPM	DESCRIPTION
9006C-O	117	80	540	Cast-Iron pump with oil lubricated gear drive and 1-3/8" 540 RPM PTO Hub w/Locking Collar Kit. No. 3430-0176 and w/Mounting Clip No. 1520-0034. Clips pump to PTO shield of most tractors.
9008C-O	110	70	1000	Cast-Iron pump with oil lubricated gear drive and 1-3/8" 1000 RPM PTO Hub w/Locking Collar Kit. No. 3430-0176 and w/Mounting Clip No. 1520-0034. Clips pump to PTO shield of most tractors
9016C-O	117	80	540	Cast-Iron pump with oil lubricated gear drive and 1" Solid Shaft, Ports (NPT): 1-1/2" Inlet, 1-1/4" Outlet.
9018C-O	110	70	1000	Cast-Iron pump with oil lubricated gear drive and 1" Solid Shaft, Ports (NPT): 1-1/2" Inlet, 1-1/4" Outlet.
9028C-O	110	70	1000	Cast-Iron pump with oil lubricated gear drive and 1-3/4" 1000 RPM PTO Hub w/Locking Collar Kit. No. 3430-0190 and w/Mounting Clip No. 1520-0034. Clips pump to PTO shield of most tractors

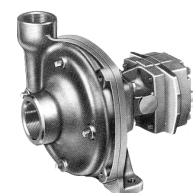
*Viton shaft seal is standard. Buna-N seal is available by special order. Specify Model 9000C-O (1-3/8"-540 RPM); Model 9002C-O (1-3/8"-1000 RPM); Model 9010C-O (1"-540 RPM); Model 9012C-O (1"-1000 RPM). 3430-0334 SEAL & O-RING KIT



9200 PEDESTAL MODELS

MODEL NO.	MAX GPM.	MAX PSI	MAX RPM	DESCRIPTION
9202C	105	180	6000	Pedestal mount Cast-Iron pump with 5/8" Solid Shaft and Viton Shaft Seal.* 1-1/4" Inlet; 1" Outlet NPT ports.
9203C	136	180	6000	Pedestal mount Cast-Iron pump with 5/8" Solid Shaft and Viton Shaft Seal.* 1-1/2" Inlet; 1-1/4" Outlet NPT ports
9203C-R	136	180	6000	Pedestal mount clockwise rotation. Cast-Iron pump, with 5/8" solid shaft, Viton Seal. and 1-1/2" x 1-1/4" NPT ports.
9205C	180	190	4200	Pedestal mount with 7/8" shaft and Viton Seal. 2" inlet, 1-1/2" outlet

*Buna-N seal is available by special order. Specify Model 9200C (1-1/4" x 1") or Model 9201C (1-1/2" x 1-1/4").
3430-0332 seal & o-ring kit



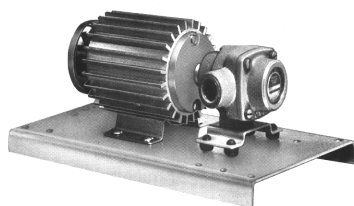
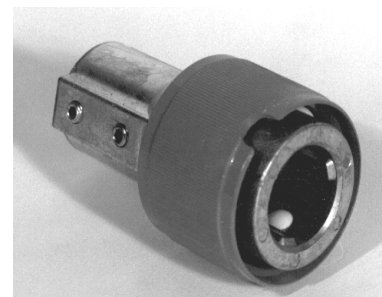
SERIES 9300 HYDRAULIC MOTER DRIVEN MODELS

MODEL NO.	MAX GPM.	MAX PSI	DESCRIPTION
9303C-HM1C	114	180	(10 GPM) Hydraulic Motor/Cast-Iron Pump For Open/Closed Center Systems, Ports (NPT)
9303C-HM2C	82	180	(5 GPM) Hydraulic Motor/Cast-Iron Pump For Closed Center Systems, Ports (NPT): 1-1/2" Inlet; 1-1/4" Outlet
9303C-HM3C	106	180	(20 GPM) Hydraulic Motor/Cast-Iron Pump, Large Open Center Systems, Ports (NPT): 1-1/2" Inlet, 1-1/4" Outlet
9303C-HM4C	95	180	(7 GPM) Hydraulic Motor/Cast-Iron Pump, Closed/Open Center Systems, Ports (NPT): 1-1/2" Inlet, 1-1/4" Outlet
9303C-HM5C	147	145	(15 GPM) Hydraulic Motor/Cast-Iron Pump, Closed/Open Systems, Ports (NPT): 1-1/2" Inlet, 1-1/4" Outlet
9306C-HM1C	207	130	(13 GPM) Hydraulic Motor 2" Inlet, 1-1/2" Outlet
9306C-HM3C	214	135	(24 GPM) Hydraulic Motor

HYPRO ROLLER PUMPS

ROLLER PUMPS				
MODEL NO.	MAX GPM	MAX PSI	MAX RPM	DESCRIPTION
4101C	7.0	150	2600	Cast-Iron 4-Roller Pump with Super Rollers, 3/4" Ports, and 5/8" Shaft 3430-0390 Repair Kit
4101XL	7.0	150	2600	Silver Cast 4-Roller Pump for Roundup, 3430-0390 Repair Kit
1502C	62.0	150	1000	Cast-Iron 6-Roller Pump with Super Rollers, Buna-N Seals, 1-1/2" NPT Ports, and 15/16" Solid Shaft, 3430-0383 Repair Kit
1700C	45.0	200	1000	Cast-Iron 5-Roller Pump w/ Super Rollers, Viton Seals, 1" NPT Ports, and 15/16" Solid Shaft, 3403-0437 Repair Kit
1700N	45.0	200	1000	Ni-Resist 5-Roller Pump w/ Super Rollers, Viton Seals, 1" NPT Ports, and 15/16" Solid Shaft, 3430-0437 Repair Kit
6500C	22.0	300	1200	Cast-Iron 6-Roller Pump w/ Super Rollers, Viton Seals, 3/4" NPT Ports, and 5/8" Solid Shaft, 3430-0380 Repair Kit
6500N	22.0	300	1200	Ni-Resist 6-Roller Pump with Super Rollers, Viton Seals, 3/4" NPT Ports, and 5/8" Solid Shaft, 3430-0380 Repair Kit
6500XL	22.0	300	1200	Silver Series 6-Roller Pump with Super Rollers, Viton Seals, 3/4" NPT Ports, and 5/8" Solid Shaft, 3430-0380 Repair Kit
7560C	22.0	300	1000	Cast-Iron 8-Roller Pump w/ Super Rollers, Viton Seal, 3/4" NPT Ports and 15/16" Solid Shaft, 3430-0381 Repair Kit
7560N	22.0	300	1000	Ni-Resist 8-Roller Pump w/ Super Rollers, Viton Seals, 3/4" NPT Ports, and 15/16" Solid Shaft, 3430-0381 Repair Kit
7560XL	22.0	300	1000	Silver Series 8-Roller Pump w/ Super Rollers, Viton Seals, 3/4" NPT Ports, and 15/16" Solid Shaft, 3430-0381 Repair Kit
7700C	22.4	200	800	Cast-Iron 7-Roller Pump w/ Super Rollers, Viton Seals, 3/4" NPT Ports, and 15/16" Solid Shaft, 3430-0384 Repair Kits
7700N	22.4	200	800	Ni-Resist 7-Roller Pumps w/ Super Rollers, Viton Seals, 3/4" NPT Ports, and 15/16" Solid Shaft, 3430-0384 Repair Kits
7700XL	22.4	200	800	Silver Cast 7-Roller Pump

Roller Pump Couplers					
	Series				
DESCRIPTION	1500	1700	6500	7560	7700
540 RPM 1 3/8" Quick Coupler	1323-0072	1323-0072	1323-0074	1323-0072	1323-0072
1000 RPM 1 3/8" Quick Coupler	1323-0076	1323-0076	1323-0075	1323-0076	



Series 4101N-AEH Pump with DC electric motor operates from regular 12-volt battery

Here is portable pumping power that outperforms other 12-volt pumping systems. Delivers up to seven gallons per minute. Develops the pressure — to 35 psi — you need for effective spraying applications and sprayer clean up. It's an ideal system for chemical transfer, fertilizer placement, herbicide banding, nitrogen side dressing, orchard and cattle spraying. Teams up with the Hypro Speed Controller to regulate proper flow. The Speed Controller extends pump life by adjusting pressure without the need for bypass plumbing.

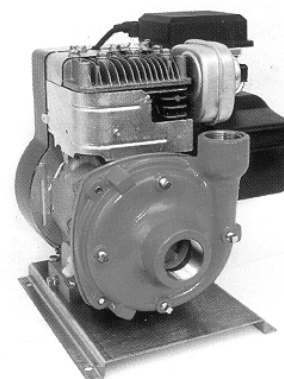
Series 4101N-EH

Series 4101XL-EH (w/silver cast pump)

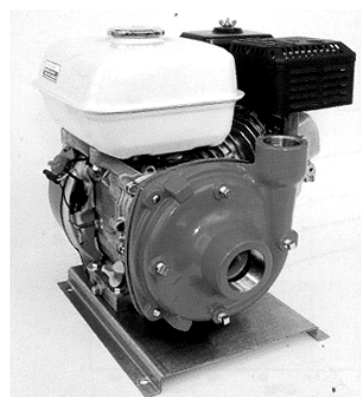
GAS ENGINE DRIVE PUMPS

PUMPS - GAS ENGINE DRIVE

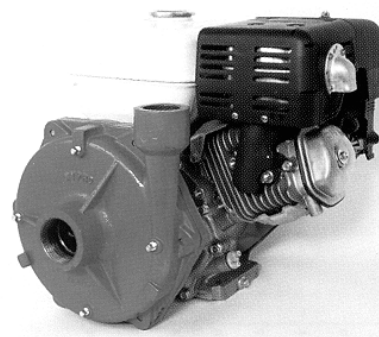
SERIES 1536
CLOSE - COUPLED, GAS ENGINE DRIVEN
MAX, FLOW RATE - 104 GPM
MAX, PRESSURE - 70 PSI
PORT SIZE - 1 1/2" NPT INLET 1 1/4" NPT OUTLET
MAX FLUID TEMPERATURE - 140 ° F
HOUSING - CAST IRON
5 HP BRIGGS & STRATTON GAS ENGINE
WEIGHT - 54 LBS/24.5 KG



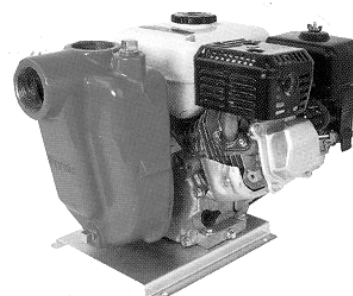
SERIES 1537 & 1540 MODEL 1537 INCLUDES THE ENGINE BASE
CLOSE - COUPLED, GAS ENGINE-DRIVEN
MAX FLOW RATE - 110 GPM
MAX PRESSURE - 80 PSI
PORT SIZE - 1 1/2" NPT INLET 1 1/4" NPT OUTLET
MAX TEMPERATURE - 140 ° F
HOUSING - CAST IRON
5.5 HP HONDA GAS ENGINE
WEIGHT - 59 LBS/26.81 KG



SERIES 1550
CLOSE - COUPLED, GAS ENGINE-DRIVEN
MAX FLOW RATE - 150 GPM
MAX PRESSURE - 140 PSI
SHAFT - 7/8" SOLID
PORT SIZES - 2" NPT INLET 1 1/2" NPT OUTLET
MAX FLUID TEMPERATURE - 140 ° F
HOUSING - CAST IRON
WEIGHT - 105 LBS/47.73 KG
SHAFT SEAL - VITON
9 HP HONDA GAS ENGINE
SEAL KIT 3430-0464



SERIES 1537-SP
SELF PRIMING
CLOSE-COUPLED, GAS ENGINE-DRIVEN
MAX FLOW RATE - 106 GPM
MAX PRESSURE - 75 PSI
SHAFT - 7/8" SOILD
PORT SIZES - 2" NPT INLET 2" NPT OUTLET
HOSUING - CAST IRON
SHAFT SEAL - VITON
MODEL - 1537-SP
MODEL - 1536-SP
SEAL KIT 3430-0332



PENTAIR/HYPRO CLEANLOAD MIX SYSTEM



- ▶ Large capacity eduction system with a low ergonomic working height for safe and fast batch mixing and loading of liquid and dry chemicals
- ▶ Modular design allows flexibility in building an eduction system using multiple Cleanload Max, standard Cleanloads and auxiliary components for bulk transfer
- ▶ 40 or 60 gallon, full draining, cone-bottomed tank for 20:1 ratio with 800 to 1200 gallon sprayers
- ▶ Translucent tank with molded in graduations allows user to easily see fluid levels
- ▶ Market leading eduction rates allow operator to spend less time loading and more time spraying
- ▶ 2" or 3" bypass eductor plumbing system allows for direct filling of sprayer tank when not educting chemicals
- ▶ CycloRinse and ProClean II bottle rinse prevent cross contamination of chemicals
- ▶ Extends the life of transfer pumps by educting abrasive and corrosive chemicals downstream of the pump



Cleanload Max Chemical Eduction Systems			
Part No.	Tank Size	Eductor Size	ByPass Size
3378-1140	40 GALLON	11 mm - Onboard Sprayer High Performance/High Flow	None
3378-1140-2BYP			2"
3378-1140-3BYP			3"
3378-1640		16 mm - Transfer Pump Low Pressure/High Flow	None
3378-1640-2BYP			2"
3378-1640-3BYP			3"
3378-1160	60 GALLON	11 mm - Onboard Sprayer High Pressure/High Flow	None
3378-1160-2BYP			2"
3378-1160-3BYP			3"
3378-1660		16 mm - Transfer Pump Low Pressure/High Flow	None
3378-1660-2BYP			2"
3378-1660-3BYP			3"

Cleanload Max ByPass Assemblies		
Part No.	Eductor Size	ByPass Size
3371-0044	11 mm - Onboard Sprayer High Pressure/High Flow	2"
3371-0047		3"
3371-0045	16 mm - Transfer Pump Low Pressure/High Flow	2"
3371-0046		3"

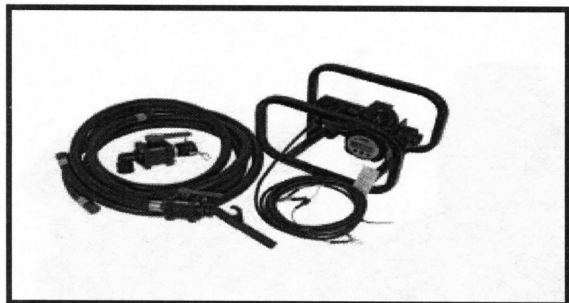
CleanLoad Max Kits	
Part No.	Description
1510-0135	3376 Series CleanLoad Floor mount bracket
3430-0944	Tubing Repair Kit - 40 Gallon
3430-0945	Tubing Repair Kit - 60 Gallon

SHURflo® AG RUNNER

The SHURfloAG Runner Transfer Pump System is designed to safely and accurately transfer bulk chemicals to the point of use.

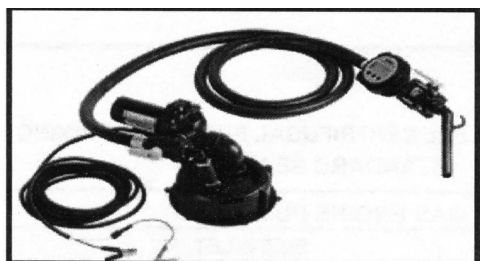
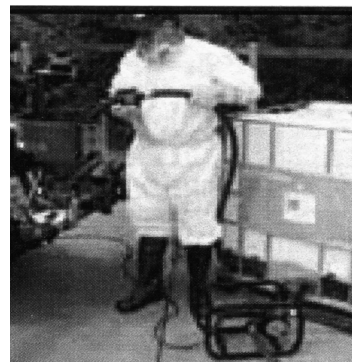
Features Include:

- ▶ Industry leading pump
- ▶ Portable
- ▶ Can be used with a variety of bulk containers
- ▶ Built for rugged service with a heavy-duty welded frame
- ▶ Simple and accurate flow indicator



Order Information

PART NO.	FLOW METER TYPE	DESCRIPTION
SF-1100-PTS	PUMP-MOUNTED (FM-1100)	Chemical Transfer Pump with 12 VDC motor, 20 ft (6 m) cable, alligator clips and in-line fuse (part # SF-1100-EPDM valves or SF-1105 - viton valves) electronic flow meter, 1 inch NPT x 12 FT (3.7 m) EPDM discharge hose with ball valve/spout, and 1 in NPT x 12 FT (3.7 m) EPDM inlet hose with 1 in elbow/ball valve/fitting assembly with locking cam arms
SF-1100-PTSi	INLINE (FM-1100i)	
SF-1100-PTSi-00	NO FLOW METER	
SF-1105-PTS	PUMP MOUNTED (FM-1100)	
SF-1105-PTSi	INLINE (FM-1100i)	



SHURflo Mini-Bulk Chemical Transfer Pumps and Systems are designed specifically for chemical company tanks where the pump is integral to the tank. The SF-REC system is mounted to any tank with a 9-inch, threaded opening. This system allows the pump to recirculate the suspended chemical components prior to transferring to the point of use

Order Information

PART NO.	DESCRIPTION
SF-1100-REC-DT	Chemical Transfer Pump with 12 VDC motor, 20 FT (6m) cable, alligator clips & in-line fuse (part # SF-1100-EPDM valves or SF-1105-Viton valves), in-line electronic flow meter (part # FM-1100i) 1 - in NPT x 12 FT (3.7 m) EPDM discharge hose with ball valve/spout. 3-way valve, tubing, & fittings to allow tank recirculation, and 28" (71cm) dip tube. (SF-1100-REC-DT only)
SF-1105-REC*	



A.R. NORTH AMERICA PUMPS

AR252 - Medium Pressure

- ▶ 140 ° F - Max Water Temp
- ▶ 3/4" - Suction
- ▶ 1/2" NPT - Outlet



AR252 - 650 RPM - Semi Hydraulic Two Diaphragm Pump

Model	Max GPM	Max L/Min	Max PSI	Max Bar	HP Power	Weight Lbs.
AR252-SP/SGC	6.5	24.6	362	25	1.42	8.8
AR252-SP/A5/8	6.5	24.6	363	25	1.42	8.8
AR252-GR-GCI5/8	6.5	24.6	363	25	1.42	8.8
AR252-GR-GIC3/4	6.5	24.6	363	25	1.42	14
AR252-GR/A5/8-GIC	6.5	24.6	363	25	1.42	14

Diaphragm Kits

Model	Description
AR43281	Blue Flex
AR43278	NBR
AR43279	Desmopan

Oil

AR64532D	Oil
AR64532D-C	Case (6) Oil

Valve Kits

AR2408	Valves
--------	--------

O-Ring Kits

AR2409	O-Rings
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AR30 - Medium Pressure

- ▶ 140 ° F - Max Water Temp
- ▶ 1" - Suction
- ▶ 1/2" NPT - Outlet



AR30 - 550 RPM - Semi Hydraulic Two Diaphragm Pump

Model	Max GPM	Max L/Min	Max PSI	Max Bar	HP Power	Weight Lbs.
AR30-Sp	9.6	36.2	580	40	2.9	20.5
AR30-SP/A3/4	9.6	36.2	580	40	2.9	20.5
AR30-GR3/4-GCI	9.6	36.2	580	40	2.9	33.0

Diaphragm Kits

Model	Description
AR43285	BlueFlex
AR43283	Desmopan
AR43282	Buna

Oil

AR64532D	Oil
AR64532D-C	Case (6) Oil

Valve Kits

AR1917	Valves
--------	--------

O-Ring Kits

AR1916	O-Rings
--------	---------

AR50 - Medium Pressure

- ▶ 140 ° F - Max Water Temp
- ▶ 1 1/4" - Suction
- ▶ 1/2" NPT - Outlet



AR50 - 550 RPM - Semi Hydraulic Two Diaphragm Pump

Model	Max GPM	Max L/Min	Max PSI	Max Bar	HP Power	Weight Lbs.
AR50-SP	14.8	65.8	580	40	5.2	39.3
AR50-SP/A1	14.8	65.8	580	40	5.2	39.3
AR50-GR1-GCI	14.8	65.8	580	40	5.2	50.0
AR50-GR3/4-GCI	14.8	65.8	580	40	5.2	50.0

Diaphragm Kits

Model	Description
AR43293	BlueFlex
AR43291	Depmopan
AR43290	Buna

Oil

AR64532D	Oil
AR64532D-C	Case (6) Oil

Valve Kits

AR1920	Valve
--------	-------

O-Ring Kits

AR1919	O-Rings
--------	---------

A.R. DIAPHRAGM PUMPS

AR1604 - High Pressure

- ▶ 140 ° F - Max Water Temp
- ▶ 1 1/2" - Suction
- ▶ 3/4" NPT - Outlet



AR1064 - 550 RPM - Semi Hydraulic Four Diaphragm Pump						
Model	Max GPM	Max L/Min	Max PSI	Max Bar	HP Power	Weight Lbs.
AR1064-C/C	28.7	108.5	725	50	13.1	51.8
AR1064-C/SP	28.7	108.5	725	50	13.1	51.8
AR1064-GR-GCI	28.7	108.5	725	50	13.1	60.0

Diaphragm Kits	
Model	Description
AR43305	BlueFlex
AR43303	Desmopan
AR43302	NBR
AR43304	Viton
Oil	
AR64532D	Oil
AR64532D-C	Case (6) Oil
Valve Kits	
AR1964	Vavles
O-Ring Kits	
AR43022	O-Ring

AR303 * AR403 - Medium Pressure

- ▶ 140 ° F - Max Water Temp
- ▶ 1 1/2" - Suction
- ▶ 1/2" NPT - Outlet



AR303 * AR403 - 550 RPM - Semi Hydraulic Three Diaphragm Pump						
Model	Max GPM	Max L/Min	Max PSI	Max Bar	HP Power	Weight Lbs.
AR303-SP	9.2	34.7	580	40	3.1	19.8
AR303-GR3/4-GCI	9.2	34.7	580	40	3.1	32
AR403-SP	10.7	40.7	580	40	3.7	19.8
AR403-GR3/4-GCI	10.7	40.7	580	40	3.7	32

Diaphragm Kits	
Model	Description
AR43289	BlueFlex
AR43287	Desmopan
AR43286	NBR
Oil	
AR64532D	Oil
AR64532D-C	Case (6) Oil
Valve Kits	
AR2388	Vavles
O-Ring Kits	
AR2389	O-Ring

AR DUE - Medium Pressure

- ▶ 140 ° F - Max Water Temp
- ▶ 3/4" - Suction
- ▶ 1/2" NPT - Outlet



AR DUE - 1450 RPM - Semi Hydraulic Two Diaphragm and Motor						
Model	Max GPM	Max L/Min	Max PSI	Max Bar	HP Power	Weight Lbs.
AR-DUE-V.R.I-12 (12 volt Motor)	3.5	13	145	10	0.34	4.6
AR-DUE-V.R.I.-24 (24 volt Motor)	3.5	13	145	10	0.34	4.6

Diaphragm Kits	
Model	Description
AR43789	BlueFlex
Oil	
AR64532D	Oil
AR64532D-C	Case (6) Oil
Valve Kits	
AR1992	Vavles
O-Ring Kits	
AR2465	O-Ring

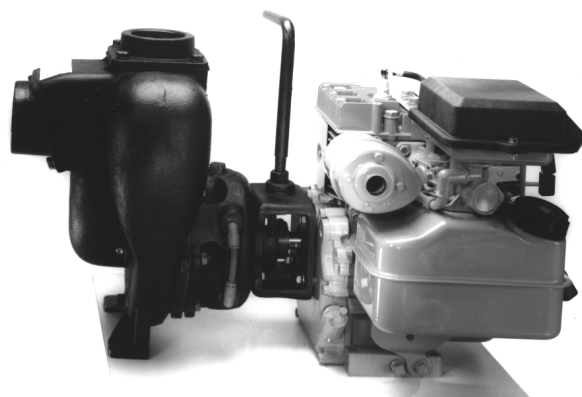
WET SEAL SELF-PRIMING CENTRIFUGAL PUMP

The Banjo Wet Seal Pump is equipped with a double seal arrangement where the seal is contained in an ethylene glycol (antifreeze) reservoir. This enables the pump to run dry for short periods of time without damaging the seal.

Extended service of the seal substantially adds life to the pump and engine.

Features

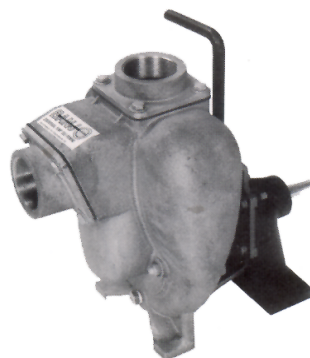
- ▶ Viton double seal contained in ethylene glycol reservoir
- ▶ Sight tube indicator
- ▶ Dynamic balanced impeller
- ▶ Available in cast iron or 316 stainless steel, w/ bearing pedestal, gas engine or pump only



CAST IRON WET SEAL PUMPS

GAS ENGINE PUMPS			
PART NO.	DESCRIPTION	SIZE INLET & OUTLET	HP
201PIH5W	COMPLETE PUMP W/ HONDA ENGINE	2" X 2"	5
BEARING PEDESTAL			
201PBIW	2" PUMP/BEARING PEDESTAL 3/4" SHAFT	2" X 2"	
301PBIW	3" PUMP/PEDESTAL	3" X 3"	

BEARING PEDESTAL			
PART NO.	DESCRIPTION	SIZE INLET & OUTLET	HP
201PBIW	2" PUMP/BEARING PEDESTAL 3/4" SHAFT	2" X 2"	
PUMP ONLY			
201POIW	2" PUMP ONLY	2" X 2"	
301POIW	3" PIMP ONLY	3" X 3"	



316 STAINLESS STEEL CENTRIFUGAL PUMP SELF PRIMING (STANDARD SEAL)

FEATURES

- ▶ Carbon ceramic seal consists of 316 stainless steel cup and spring with viton Elastomer
- ▶ All 316 stainless steel wetable internal components; Impeller, Sleeve, Wear Plate, Fasteners
- ▶ 316 stainless steel housing
- ▶ Dynamic balanced impeller

GAS ENGINE PUMPS			
PART NO.	DESCRIPTION	SIZE INLET & OUTLET	HP
200PH5-SS	COMPLETE PUMP W/ HONDA ENGINE	2" X 2"	5
300PH13-SS	COMPLETE PUMP W/ ELECTRIC START HONDA ENGINE	3" X 3"	11
BEARING PEDESTAL			
200PB-SS	2" PUMP/BEARING	2" X 2"	
300PB-SS	3" PUMP/BEARING PEDESTAL 1" SHAFT	3" X 3"	
PUMP ONLY			
200PO-SS	PUMP ONLY	2" X 2"	
300PO-SS	PUMP ONLY	3" X 3"	

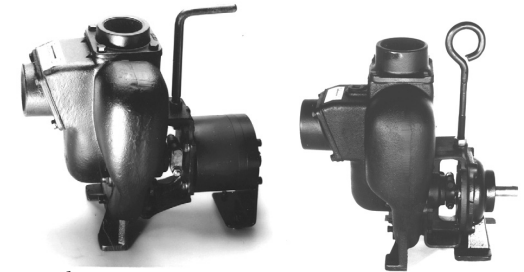
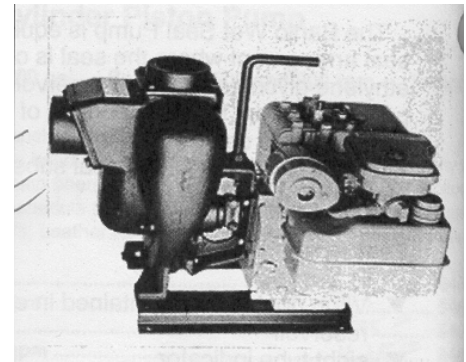
CAST IRON CENTRIFUGAL PUMP SELF-PRIMING

GAS ENGINE PUMPS			
PART NO.	DESCRIPTION	SIZE INLET & OUTLET	HP
200PIH-5	COMPLETE PUMP & HONDA ENGINE	2" X 2"	5
300PIH-8	COMPLETE PUMP & HONDA ENGINE	3" X 3"	8
300PIH-13	ELECTRIC START HONDA ENGINE	3" X 3"	11

PERFORMANCE CHART (BASED ON WATER)				
HEAD IN FEET	PSI	1 1/2" GPM	2" GPM	3" GPM
10	4.3	100	160	345
20	8.7	100	150	330
30	13	100	140	317
40	17.3	99	128	305
50	21.7	96	115	295
60	26	92	100	270

FEATURES

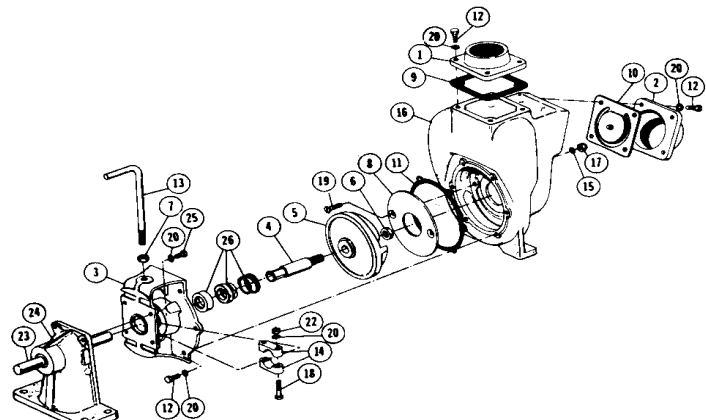
- Cast iron construction for rugged dependable service.
- Stainless steel shaft sleeve to protect engine shaft.
- Carbon ceramic seal with stainless steel housing and Viton rubber parts.
- Replaceable inlet and outlet flanges.
- Dynamic balanced impeller.
- Available in 1-1/2", 2" and 3" sizes
- Briggs & Stratton or Honda gas engines. 3, 5 and 8 HP Briggs & Stratton, 5 and 11 HP Honda.



ITEM	PART NO.	DESCRIPTION
1	17000	Flange - Outlet 2"
1	17001	Flange Outlet 1-1/2"
2	17002	Flange Inlet 20° 2"
2	17003	Flange - Inlet 20° 1-1/2"
3	17004	Adapter - Gas Engine
4	17005	Sleeve - Drive 5/8"
4	17006	Sleeve - Drive 3/4"
4	17007	Sleeve - Drive 7/8"
5	17008	Impeller
6	17009B	Nut, Hex 5/8 - 18 UNF - RH
7	17010	Nut, Hex 1/2 - 13 UNC - RH
8	17011	Plate - Wear
9	17013	Gasket EPDM
10	17016	Gasket & Flap EPDM
11	17018	Gasket - Adapter
12	17019	Capscrew 5/16 - 18 x 3/4"
13	15022	Handle
14A	17023	Clamp, 5/8", 3/4" Shaft (Old Style)
14B	17123	Clamp, 5/8", 3/4" Shaft (Keyed)
14C	17024	Clamp, 7/8" Shaft
16	17026	Pump Housing
17	17027	Nut, Acorn 5/16 - 18
19	17130	Flat Head 820C'SK.Screw
20	V10118	Lockwasher 5/16"
22	V10119	5/16 - 18 Hexnut S.S.
23A	12883B	Bearing
23B	12883R	3/4" Shaft
24	12882A	Bearing Pedestal Assembly
25	17040	Cap Screw 5/16 - 24 - NF
26	17028	Seal Assy. (EPDM)
26	17035	Seal Assy. (Viton)
3	17046	CF Adapter, electric

See price list for complete parts information on cast iron pumps.

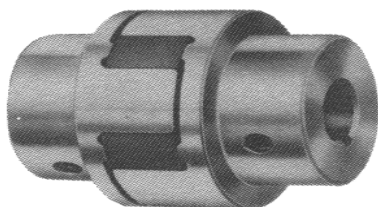
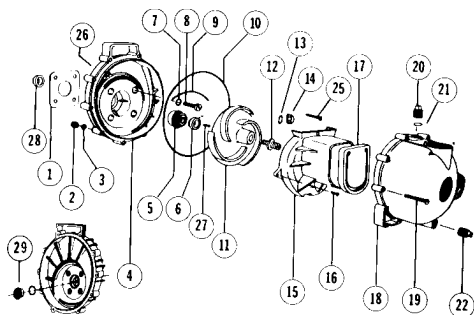
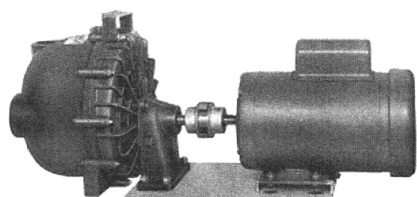
C-Fange Pump Only	
200POICF7/8	2" CAST IRON C-FLANGE PUMP W/ 7/8" SHAFT SLEEVE
Hydraulic Driven Pumps	
200PIHY	2" Hydraulic Driven Cast Iron Pump
Pump Only	
200POI	2" Pump Only
300POI	3" Pump Only
Bearing Pedestal Pumps	
200PBI	2" Pump/Bearing Pedestal 3/4" Shaft
300PBI	3" Pump/Bearing Pedestal 1" Shaft
12882A	3/4" Bearing Pedestal



POLYPROPYLENE CENTRIFUGAL PUMP SELF-PRIMING



PEDESTAL PUMP AND PUMP ONLY



FLEX COUPLINGS	
PART NO.	DESCRIPTION
S-3686	7/16" X 3/4"
L095-5/8	5/8" COUPLER HALF
L095-3/4"	3/4" COUPLER HALF
L095-1	1" COUPLER HALF
L095-1-1/8	1 1/8" COUPLER HALF
L100-1	1" COUPLER HALF
L100-1-1/8	1 1/8" COUPLER HALF
L100-1-3/8	1 3/8" COUPLER HALF
L095S	RUBBER INSERT, 090/095
L100S	RUBBER INSERT, 099/100

GAS ENGINE PUMPS			
PART NO.	DESCRIPTION	SIZE INLET & OUTLET	HP
200PH6	2" POLY PUMP W/ 6.5 HP HONDA ENGINE	2" X 2"	6.5
200PH-5E	2" POLY PUMP W/ 5.5 HONDA ENGINE, ELECTRIC START	2" X 2"	5.5
200P6PRO	COMPLETE PUMP & GAS ENGINE	2" X 2"	5
200PH-5	COMPLETE PUMP & GAS ENGINE	2" X 2"	5

BEARING PEDESTAL PUMPS	
PART NO.	DESCRIPTION
200-PB	2" PUMP/BEARINGS PEDESTAL 3/4" SHAFT

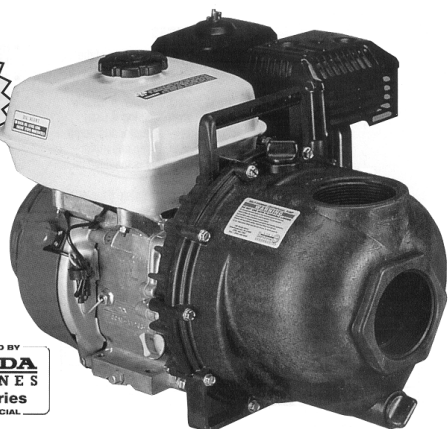
PERFORMANCE CHART (BASED ON WATER)						
HEAD IN FEET	10	20	30	40	50	60
PRESSURE P.S.I.	4.3	8.7	13	17.3	21.7	26
2" SIZE GPM	160	150	140	128	115	100

GAS ENGINE PUMPS				
ITEM	DESCRIPTION	QTY PER PUMP	PART NO. 1 1/2"	PART NO. 2"
2	BODY NUTS	10	V07019	V-07019
3	LOCK WASHER	10	V07018	V-070182
4	REAR BRACKET	1	12703A	12703A
5&6	SEAL ASSEMBLY	1	12713	12713
7	O-RING FOR SCREW HEADS	4	12717	12717
8	BREACKET SCREWS	4	12715A	12715A
9	O-RING SEGMENT	1	12754	12754
10	BODY O-RING	1	12719A	12719A
11	IMPELLER	1	12771A	12772
12	IMPELLER STUD	1	12765A	12765A
13	O-RING ACORN NUT	1	12774VA	12774VA
14	ACORN NUT	1	12775A	12775A
15	VOLUTE	1	12702A	12702A
16	VOLUTE SCREWS	2	12725	12725
17	CHECK VALVES	1	12705	12705
18	BODY	1	12711A	12712A
19	BODY SCREWS	10	12720	12720
20	PRIME PLUG	1	12777	12777
21 & 28	O-RING PRIME PLUG	1	12722	12722
22	DRAIN PLUG	1	12723	12723
25	UPPER VOLUTE SCREW	1	12900	12900
26	1/4" S.S WASHER	4	12901	12901
27	IMPELLER KEY	1	12902A	12902A
28	O-RING FOR SEAL ASSY.	1	12710	12710
	3 VANE REPAIR KIT	1	12003A	12003A
	5 VANE REPAIR KIT	1	12000A	12000A

3" POLY SELF PRIMING CENTRIFUGAL PUMPS

3" POLY PUMPS!

POWERED BY
HONDA
ENGINES
GX Series
COMMERCIAL



- ▶ AGRICULTURAL PUMP
- ▶ CONTRACTOR PUMP
- ▶ EMERGENCY USE: FIRES & FLOODS

MAXIMUM ENGINE PROTECTION:

- ▶ Pump end separated from engine
- ▶ Heavy duty slinger seal on shaft
- ▶ Large weep holes between pump and engine

FEATURES:

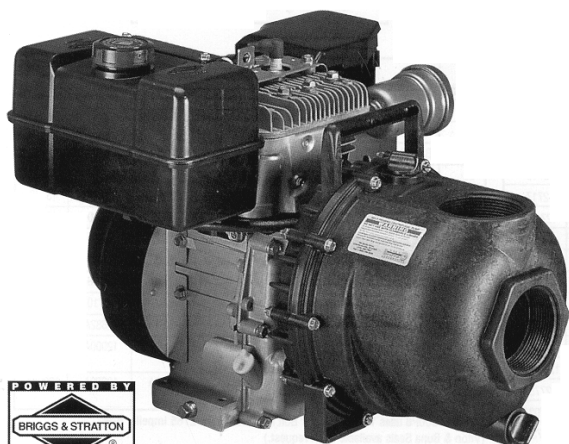
- ▶ High strength polypropylene
- ▶ Corrosion resistant
- ▶ Lightweight-Portable
- ▶ High Performance impellers

6.5 HP Honda Pump 300 PH - 6300 GPM

300P6PRO	3" Poly Pump complete w/ 6 HP B & S Vanguard
300PH-6	3" Poly Pump complete with 6.5 HP Honda gas engine
300PB	3" Poly Pump w/ Bearing Pedestal - 3/4" Shaft
300PO	3" Poly Pump Only



PEDESTAL PUMP 300PB & PUMP ONLY 300PO



POWERED BY
BRIGGS & STRATTON

8HP BRIGGS & STRATTON PUMP 300P8 320 GPM

HYDRAULIC DRIVEN POLY PUMP



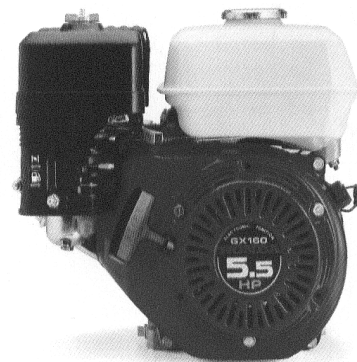
GRESEN MGG2 HYDRAULIC MOTOR

- ▶ Hydraulic fluid capacity
Min. 6 gal./Max. 10 gal.
- ▶ 12 H.P. Motor
- ▶ Open or closed system.
- ▶ 3600 R.P.M.

200PHY	2" Hydraulic Driven Poly Pump
300PHY	3" Hydraulic Driven Poly Pump

HONDA GAS ENGINES

HONDA GAS ENGINES	
PART NO.	DESCRIPTION
E-4H	4 H.P. Honda Engine w/oil alert w/3/4" shaft GX120UT1 QX2
E-5.5H	5.5 H.P. Honda Engine w/oil alert w/3/4" shaft GX160UT1 QX2
E-5.5HE	5.5 H.P. Honda w/electric start & oil alert w/3/4" shaft GX160UT1 QXE2
E-5.5HGR	5.5 H.P. Honda w/6:1 gear reduction w/3/4" shaft GX160UY1 HX2
E-5.5HT	5.5 H.P. Honda w/threaded shaft for Pump Applications GX160UT1 TX2
E-6.5H	6.5 H.P. Honda Engine w/oil alert w/3/4" shaft GX200UT QX2
E-8H	8 HP Honda w/oil alert w/1" shaft GX240U2 QA2
E-9HE	9H.P. Honda Engine w/electric start w/1" shaft GX270UQAE2
E-11HE	11 H.P. Honda w/electric start w/1" shaft GX340U1 T2 QAE2



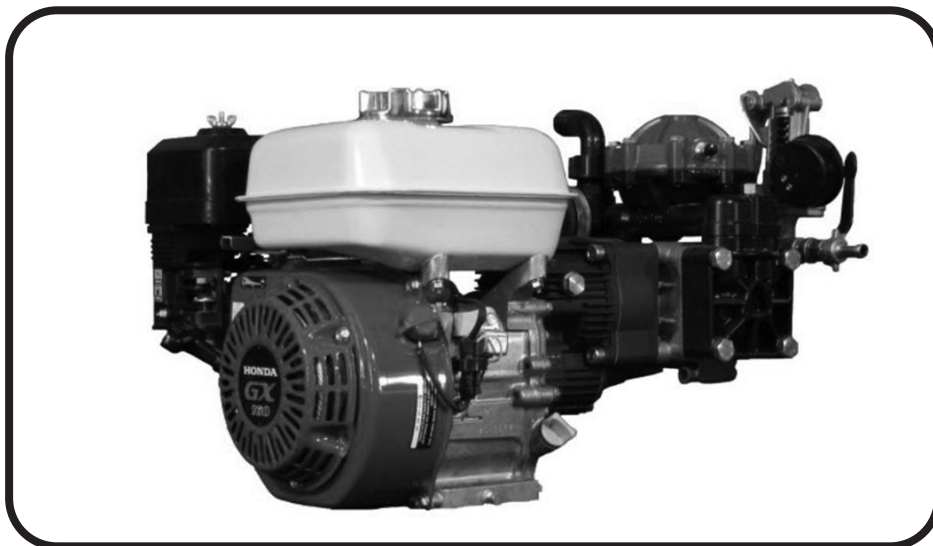
Over the past three decades, Honda has become known as the leader in creating four-stroke engines that are reliable, technologically advanced and easy to start.

BRIGGS & STRATTON GAS ENGINES

GAS ENGINES	
PART NO.	DESCRIPTION
E-31VG	31 HP VANGUARD

FEATURES:

- ▶ Aluminum alloy bore for cooler operation
- ▶ Float carburetor for consistent easy starting
- ▶ Maintenance-free Magneton® electronic ignition for quick, dependable starts
- ▶ Overhead valve design (OHV) for cooler operation and longer valve life



TRACTOR PTO AND TRAILER MOUNTED BELT DRIVEN CENTRIFUGAL PUMPS

PTOC-600-QC with Stainless Steel Shaft

FMC-MIA repair pump head only, w/ Viton seal & SS shaft

PTOC-600-B Base-mounted pump with 1" stub shaft with Stainless Steel Shaft

**REPAIR KIT
RK-PTOC-600**
Includes belt, seal,
o-ring and gasket

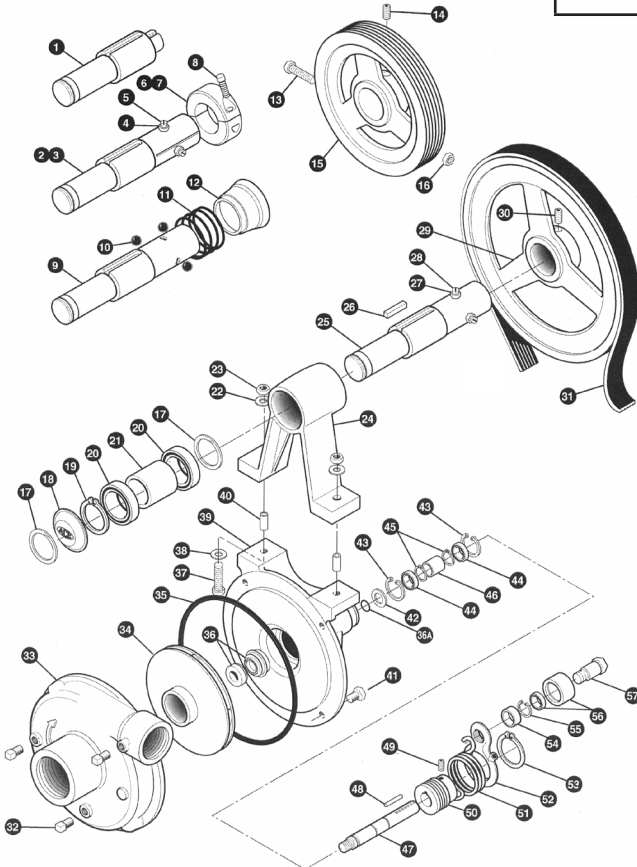


Performance Table 600 Series				
PTO RPM	Pressure	Capacity		H/P
600	60 PSI	200 GPM	1200 GPH	1 1/4
or	40 PSI	50 GPM	3000 GPH	2
100	30 PSI	60 GPM	3600 GPH	2 1/4

*Databased on foot lift through unrestricted suction hose and fittings with full 1 1/4" I.D.

Performance Table 150 Series				
PTO RPM	Pressure	Capacity		H/P
	1000 PSI	40 GPM	2400 GPH	
600	75 PSI	20 GPM	1200 GPH	5
or	60 PSI	50 GPM	300 GPH	5 1/2
1000	40 PSI	60 GPM	3600 GPH	5 3/4

*Databased on 1 foot lift through unrestricted suction hose and fittings with full 1 1/4" I.D.



MODEL PTOC PARTS

REF. NO.	Part NO	Description	Req.	Price
1	BAC-10-S	1" Tumblerod stub drive shaft	1	
2	BAC-10-175-20SP	1-3/4" 20 Tooth PTO spline drive shaft, includes BAC-11-175	1	
3	BAC-10-21 SP	1-3/8" 21 Tooth PTO spline drive shaft, includes BAC-11	1	
4	40960	3/8" NC jam nut	3	
5	BAC-40	3/8" NC slotted set screw	3	
6	BAC-11-175	Locking collar, split ring (for BAC-10-175-20SP shaft)	1	
7	BAC-11	Locking collar, split ring (for BAC-10-21SP shaft)	1	
8	BAC-11-1	Set screw (for BAC-11 and BAC-11-175 locking collar)	1	
9	BAC-10-6SPQC	1-3/8" 6 Tooth PTO spline drive shaft for quick coupler	1	
10	BAC-83-QC	Ball for quick coupler	3	
11	BAC-82-QC	Spring for quick coupler	1	
12	BAC-81-QC	Ball retainer sleeve for quick coupler	1	
13	41250	5/16" NC x 3-1/4" hex head cap screw	1	
14	41300	3/8" NC x 5/8" allen head set screw	2	
15	BAC-30-10-M	6.375" P.D. x 2" Bore Poly-V pulley (for PTOC 1000-21 SP & -B)	1	
16	BAC-30-175	6.375" P.D. x 2-3/8" Bore Poly-V pulley (for PTOC 1000-20SP)	1	
17	BAC-63	5/16" NC self locking nut for tumblerod drive	1	
18	BAC-34	Internal snap ring, BAC-15 bearing housing	2	
19	BAC-27	Name plate (for PTOC-1000-20SP)	1	
20	BAC-35	External snap ring, BAC-10 drive shaft	1	
21	BAC-31-1	Sealed ball bearing, BAC-10 drive shaft	2	
22	BAC-38-1	Bearing spacer, BAC-10 shaft	1	
23	BAC-44	3/8" Lock washer	2	
24	BAC-45	3/8" NC Hex nut	2	
25	BAC-15	PTO drive shaft bearing housing	1	
26	BAC-15-B	Tumblerod drive shaft bearing housing with mounting base	1	
27	BAC-10-6SP	1-3/8" 6 Tooth PTO spline drive shaft	1	
28	BAC-51	3/8" x 1/2" x 1-1/2" key, PTO drive shaft	1	
29	40960	3/8" NC jam nut	3	
30	BAC-40	3/8" NC slotted set screw	3	
31	BAC-30-10	10.6" P.D. x 2" bore Poly-V pulley, 10 groove (for PTOC-600)	1	
32	41300	3/8" NC x 5/8" allen head set screw	2	
33	BAC-28-10	Poly-V Belt, 10 groove (for PTOC -600)	1	
34	BAC-28-10-M	Poly-V Belt, 10 groove (for PTOC-1000)	1	
35	BAC-53	1/8" NPT Pipe plug	3	
36	41120	1/8" NPT Pipe plug, stainless steel (optional)	3	
37	BAC-12	Volute 1-1/4" x 1", cast iron	1	
38	BAC-26-CI	Impeller, cast iron, left hand thread (optional)	1	
39	BAC-26-VALOX	Impeller, Valox, left hand thread	1	
40	BAC-4-A	"0" Ring, volute seal	1	
41	BAC-7SC	Silicon carbide mechanical seal (includes 40160) (optional)	1	
42	BAC-7V	Viton mechanical seal (includes 40160 "0" Ring)	1	
43	40160	"0" ring for mechanical seal	1	
44	BAC-42	3/8" NC x 2" Hex head cap screw	2	
45	BAC-43	3/8" Flat washer	2	
46	BAC-14-MIA	Mounting frame, machined for idler arm	1	
47	BAC-15-PIN	Alignment pin	2	
48	40930	3/8" NC x 3/4" hex head cap screw, stainless steel (optional)	4	
49	40950	3/8" NC x 3/4" hex head cap screw	4	
50	BAC-54	Slinger	1	
51	BAC-33	Internal snap ring for mounting frame	2	
52	BAC-37	Sealed ball bearing for pump shaft	2	
53	BAC-32	External snap ring for driven pump shaft	2	
54	BAC-32-S	Spacer for pump shaft	1	
55	BAC-6-SS	5/8" Driven shaft, left hand course thread, stainless steel	1	
56	BAC-50	3/16" x 3/16" x 1-1/4" key	1	
57	BAC-57	5/16" NC x 5/16" allen head set screw for BAC-29-10 pulley	2	
58	BAC-29-10-1.5	1.5" P.D. x 5/8" bore Poly-V pulley, 10 groove	1	
59	BAC-5	Idler mounted torsion spring	1	
60	BAC-13	Idler arm	1	
61	BAC-36	External snap ring, BAC-13 idler arm	1	
62	BAC-46	5/8" Spacer	1	
63	BAC-55	Idler bearing and outer roller assembly	1	
64	BAC-47	5/8" NC x 2 1/8" hex head idler cap screw	1	
65	BAC-52	1/4" cold shut, torque chain anchor	1	
66	BAC-58	Zerk fitting, 1/4" NPT, for idler arm	1	
67	BAC-55-A	Idler arm assembly (includes 52 through 57 and BAC-58)	-	
68	BGKB	Belt and shaft guard kit for all PTOC pumps	-	
69	RK-PTOC-600	Repair kit for 600 RPM models, includes belt, seal, and "0" ring	-	
70	RK-PTOC-1000	Repair kit for 1000 RPM, includes belt, seal, and "0" ring	-	
71	RK-FMC	Repair kit for pump only, includes seal, and "0" ring	-	
72	RK-FMCS	Repair kit for pump only, includes silicon carbide seal, and "0" ring	-	
73	FMC-MIA	Pump end only, machined to accent idler arm	-	
74	#	NOT Shown in exploded view drawing	-	

PARTS NOT SHOWN ON CROSS SECTION DRAWING

* 40160	O Ring for BAC-6 shaft	2
* BAC-58	1/4" Zerk fitting, idler arm	
* 41250	5/16" N.C. x 3-1/4" Hex head cap screw	
	(for PTOC-600-B, 600-10-B, 1000-B, 1000-10-B)	1
* BAC-63	5/16" N.C. Self locking nut	
	(for PTOC-600-B, 600-10-B, 1000-B, 1000-10-B)	1
* BAC-81-QC	Ball retainer sleeve for quick coupler	1
* BAC-82-QC	Spring for quick coupler	1
* BAC-83-QC	Ball for quick coupler	3
* BGKB	Belt guard kit (for PTOC-600, 600-10, 1000, 1000-10)	

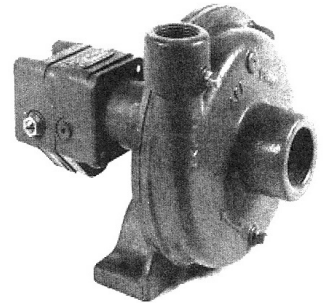
- Sprays at higher pressures than PTOC 600 models
- Grease lubricated leather lip-type seals (Teflon optional at extra cost). Seals are located in impeller intake area which eliminates pumping pressure on seals thereby increasing seal life. Grease protects seal when run dry.
- ZERK fitting for regreasing seal cavity. Pressure relief fitting prevents over-greasing.

CALL FOR PRICING 800-637-0050

CENTRIFUGAL PUMPS | 67

PUMPS

HYDRAULIC MOTOR DRIVE CENTRIFUGAL PUMPS



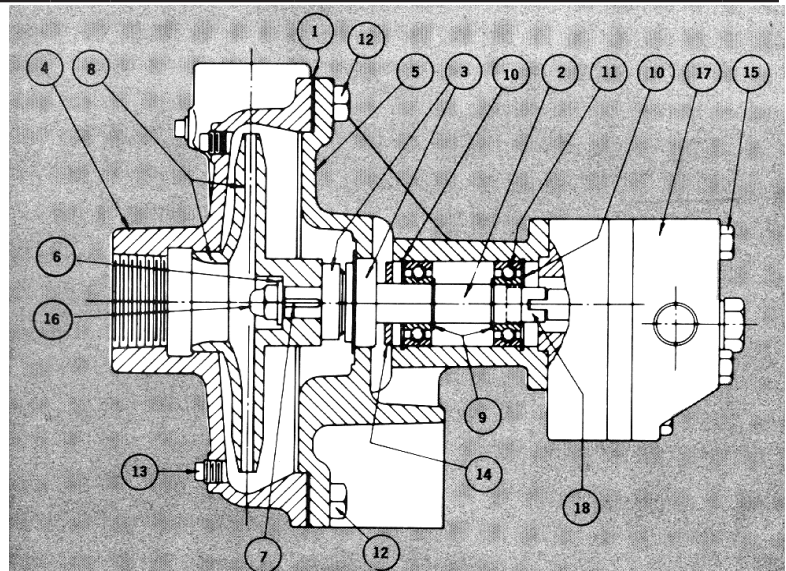
1 1/4" X 1" SERIES MODELS FMC HYD 204 AND FMC HYD 210			1 1/4" X 1" SERIES MODEL FMC HYD 310			2" X 1 1/2" SERIES MODELS FMC 200 HYD 210 AND FMC 200 HYD 310		
PSI	GPM	GPH	PSI	GPM	GPH	PSI	GPM	GPH
10 PSI	75 GPM	4,500 GPH	10 PSI	75 GPM	4,500 GPH	10 PSI	180 GPM	10,800 GPH
30 PSI	60 GPM	3,600 GPH	30 PSI	60 GPM	3,600 GPH	30 PSI	125 GPM	7,500 GPH
50 PSI	50 GPM	3,000 GPH	50 PSI	50 GPM	3,000 GPH	40 PSI	80 GPM	4,800 GPH
90 PSI (1)	20 GPM	1,200 GPH	60 PSI	20 GPM	1,200 GPH	60 PSI	30 GPM	1,800 GPH

TRACTOR HYDRAULIC SYSTEM REMOTE OUTLET COPACITY (GPM)		
MODEL	CLOSED CENTER SYSTEM	OPEN CENTER SYSTEM
FMC-HYD-204	ALL	4-13
FMC-HYD-210	NOT RECOMMENDED (1)	14-17
FMC-HYD-310	NOT RECOMMENDED	18-24
FMC-200-HYD-210	8 GPM MINMUM	8-17
FMC-200-HYD-310	NOT RECOMMENDED	18-24

MODEL FMC-HYD-204 & 210							
REF NO.	PART NO.	DESCRIPTION	REQ	REF NO.	PART NO.	DESCRIPTION	REQ
1	BAC-24	GASKET, 4 HOLE	1	12	40950	3/8" N.C. X 3/4" HEX HEAD CAP SCREW	4
2	BAC-6-HYD-SS	5/8" DRIVEN SHAFT W/ KEYWAY, STAINLESS STEEL (OPTIONAL)	1	12	40930	3/8" N.C. X 3/4" HEX HEAD CAP SCREW, STAINLESS STEEL	4
3	BAC-7V	VITON SEAL	1	13	BAC-53	1/8" NPT PIPE PLUG	3
	40160	O-RING FOR BAC-6-HYD SHAFT (NOT SHOWN)	1	13	41120	1/8" NPT PIPE PLUG, STAINLESS STEEL	3
4	BAC-12	1 1/4" X 1" VOLUTE	1	14	BAC-54	SLINGER	1
5	BAC-14-HYD	MOUNTING FRAME	1	15	41250	5/16" N.C. X 3 1/4" HEX HEAD CAP SCREW, MOTOR T O PUMP	4
6	BAC-23-A-SS	3/8" N.F. HEX NUT, STAINLESS STEEL	1	17	BAC-75-HYD-204	HYDRAULIC MOTOR W/ INTEGRAL NEEDLE VALVE	1
6	BAC-24-HYD-SS	3/8" SHAKEPROOF LOCK, WASHER, STAINLESS STEEL	1	17	BAC-75-HYD-210	HYDRAULIC MOTOR	1
7	BACH-25	1/8" X 1/8" X 1/2" KEY	1	18	BAC-76-HYD	COUPLING FOR HYDROLIC MOTOR	1
8	BAC26-HYD-CI	IMPELLER, CAST IRON W/ KEYWAY	8	N/S	BAC-LS-204	FLOW LIMITER FOR BAC-HYD-204	1
8	BAC-26-HYD-VALOX	IMPELLER, VALOX	1	N/S	BAC-LS-206	FLOW LIMITER FOR BAC-HYD-206	1
9	BAC-32	EXTERNAL SNAP RING, BAC-6-HYD DRIVEN SHAFT	2	N/S	BAC-LS-210	FLOW LIMITER FOR BAC-HYD-210	1
10	BAC-33	INTERNAL SNAP RING, BAC-14-HYD, MOUNTING FRAME	2	N/S	S200	SEAL SUPPORT SPACER FOR 200 SRIES HYDRAILIC LIP SEAL	1
11	BAC-37	#666 SEALED BALL BEARING, BAC-6-HYD DRIVEN SHAFT	2	RK-BAC-75HYD-L Repair Kit, 200 Series hyd. motor w/lip seal			

150 SERIES HIGH PERFORMANCE HYDRULIC CENTRIFUGAL PUMP FMC-150-HYD-206

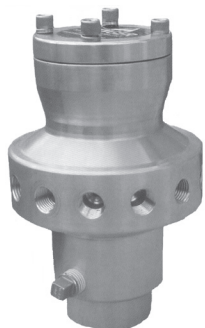
PERFORMANCE					
0 GPM	20 GPM	40 GPM	60 GPM	80 GPM	100 GPM
120 PSI	100 PSI	80 PSI	60 PSI	30 PSI	10 PSI
100 PSI	95 PSI	76 PSI	52 PSI	26 PSI	5 PSI
80 PSI	75 PSI	62 PSI	45 PSI	21 PSI	---
60 PSI	55 PSI	40 PSI	25 PSI	5 PSI	---



REPAIR KITS AND PARTS					
	LF OR L-1094	LM-2450 SERIES	LM-4450 SERIES	LM-4950 SERIES	L-4600 SERIES
REPAIR KIT	L-1095-B	113717	111953	111947	113016
DISC. VALVE	112682	106490-92	109113-92	109113-92	112682
SUCTION VALVE	112685	106489-92	109112-92	109112-92	112685
OUTBOUND CYLINDER	L-1037	113651-01	111940-01	111940-01	112711-01
INBOUND CYLINDER	L-1064	113650-01	111938-01	111938-01	112710-01
PISTON ROD	105926-91	105926-91	105900-91	105900-91	112705
POINTER	115630-91	115630-91	115630-91	115630-91	115630-91
SCALE	L-1002	L-1002	L-1002	L-1002	L-1002
HAND WHEEL	A-50	A-50	A-50	A-50	A-50

CONVERSION KITS	
PART NO.	DESCRIPTION
105429	HYDRAULIC THROWOUT CONVERSION KIT - FO RL-4400, LM-4450, & LM4950 SERIES PUMPS
113647	HYDRAULIC THROWOUT CONVERSION KIT - FOR LM-2450 SERIES PUMPS

Impellicone Flow Divider for Anhydrous Ammonia

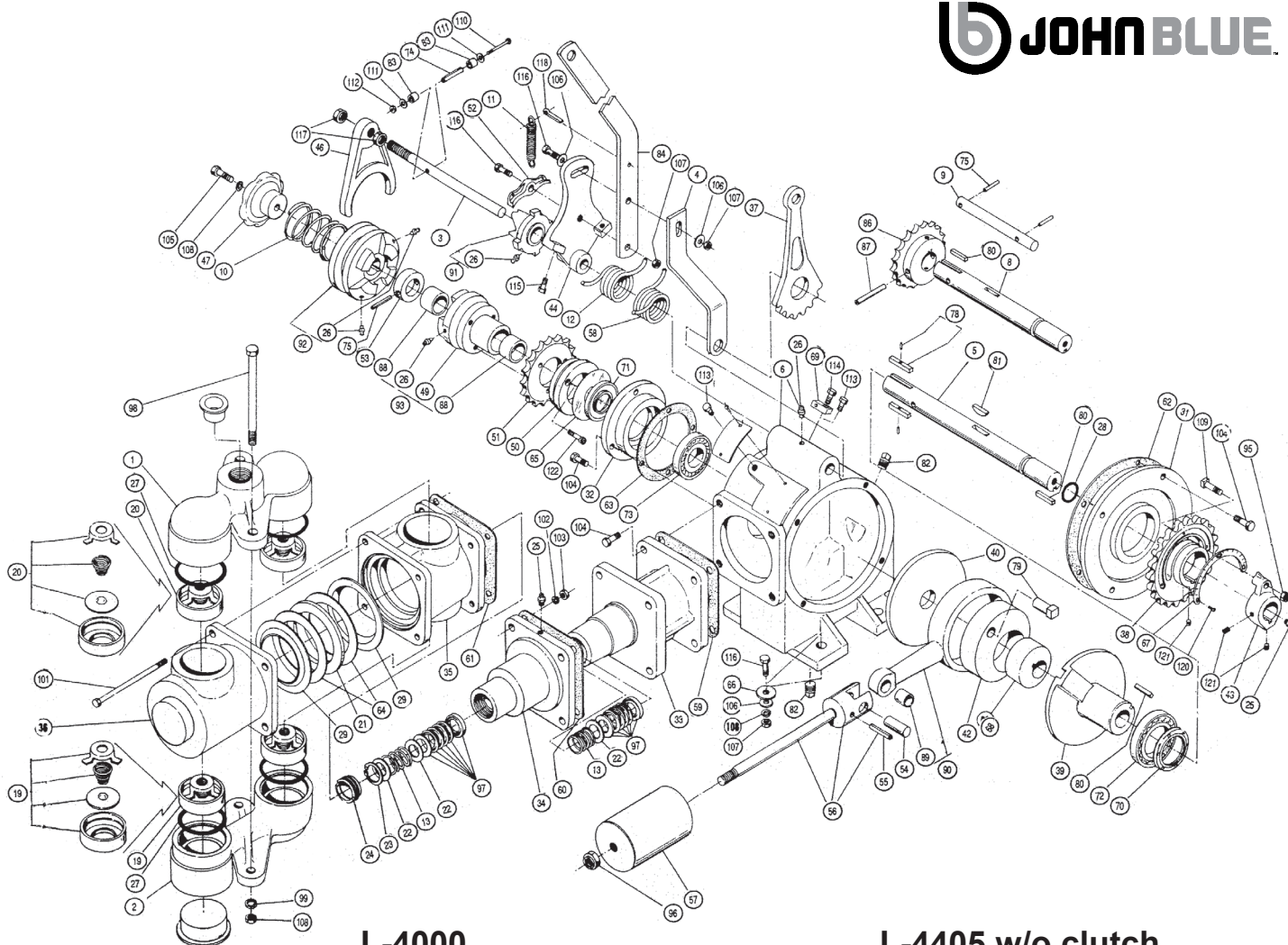


The John Blue Impellicone is a flow divider designed for Anhydrous Ammonia (NH_3). It distributes NH_3 to multiple rows across an applicator with the accuracy and flexibility you have come to expect from John Blue Products. Impellicone's name comes from the unique shaped needle, which spins and mixes the liquid and gas phases distributing them evenly to the number of outlets you need. The John Blue Impellicone can be used for all NH_3 applications at normal rates, while also offering the flexibility to plug unused outlets without *sacrificing* accuracy. A simple design allows for ease of service without removing the distribution lines, however it is recommended that proper handling techniques for NH_3 be used at all times. The Impellicone's superior accuracy allows better control of targeted rates greatly the over-application of NH_3 . This will result in less nitrogen leaching, lower crop yield variability and ultimately lowering overall application costs.

The Impellicone concept was researched by Iowa State University and collaboratively developed with and licensed to John Blue Company. After extensive testing through Iowa State, field trials and a lengthy approval process, John Blue Company is proud to offer new patent pending technology in two models, the IP-1300 (13-port flow divider) and the IP-1800 (18-port flow divider).

JOHN BLUE IMPELLICONE FLOW DIVIDERS			
PART NO.	DESCRIPTION	INLET SIZE	OUTLET SIZE
IP-1300	13 OUTLET NH_3 FLOW DIVIDER	1" NPT	1/4" NPT
IP-1800	18 OUTLET NH_3 FLOW DIVIDER	1" NPT	1/4" NPT

METERING PUMP PARTS



**L-4000
L-4400 w/clutch**

**L-4405 w/o clutch
L-4409 w/Hyd. control**

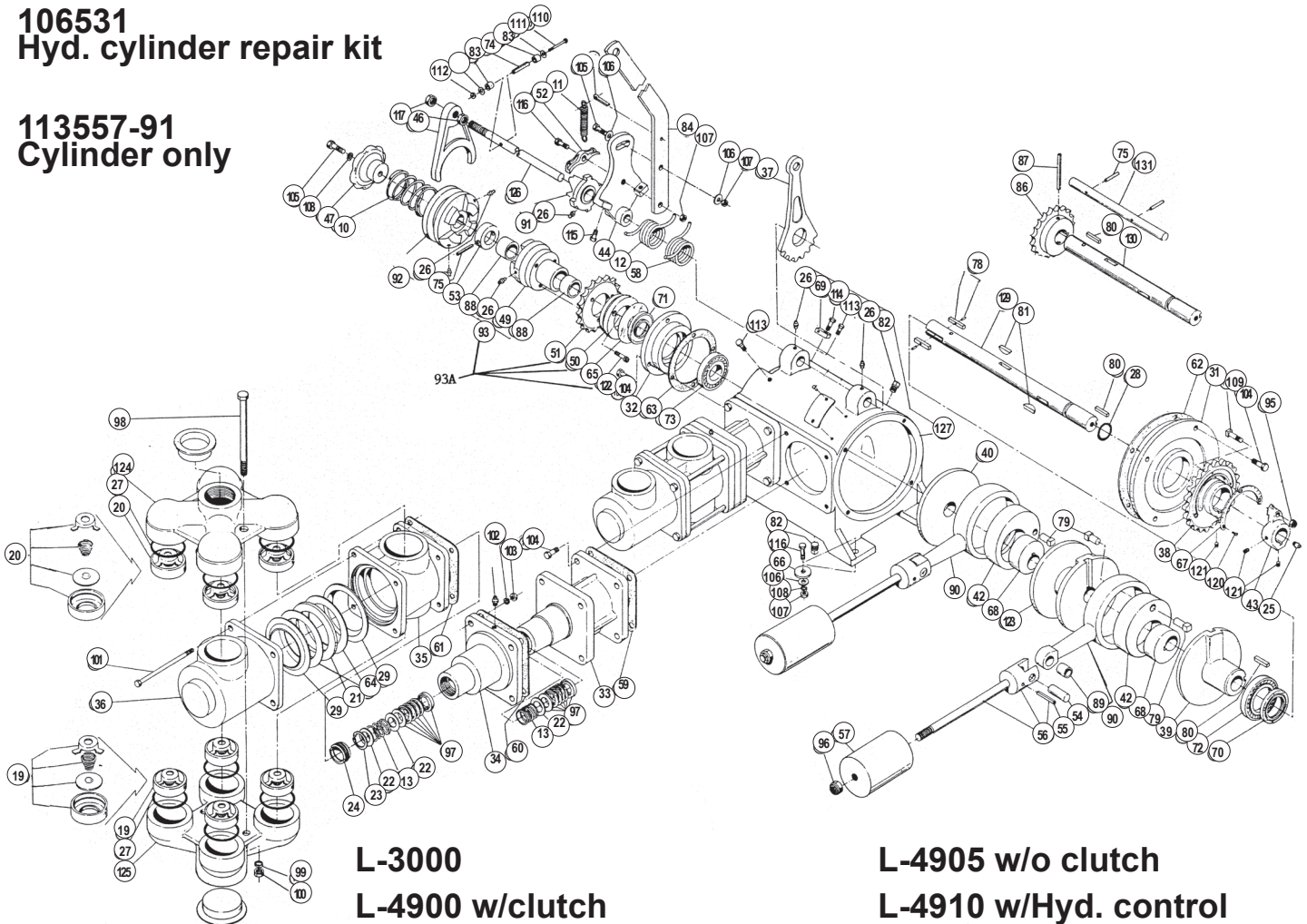
Pump Parts

REF.	PART NO.	DESCRIPTION	L-4400	L-4405	L-4409	L-4900	L-4905	L-4910	REF.	PART NO.	DESCRIPTION	L-4400	L-4405	L-4409	L-4900	L-4905	L-4910
1	L-4016	Disc. Manifold	1	1	1				37	L-3092-AS	Pump Setting Wrench	1	1	1	1	1	1
2	L-4017-A	Suct. Manifold	1	1	1				38	105932-91	Stroke Setting Flange	1	1	1	1	1	1
3	L-4011	Throw-out Rod	1						39	L-3056	Stroke Locating Sleeve	1	1	1	1	1	1
3	114705-91	Throw Pivot Rod			1				40	L-3020	Crankshaft Disk	1	1	1	1	1	1
4	L-4025	Support Handle	1						42	113633-01	Large Eccentric	1	1	1	2	2	2
5	L-4012	Crankshaft	1	1					43	115630-91	Stroke Setting Arm	1	1	1	1	1	1
6	L-4013	Crankcase	1	1	1				44	L-3007	Throw-Out Bracket	1			1		
8	103453-02	Crankshaft		1					46	L-3065	Throw-Out Yoke	1		1	1		1
10	108907-01	Clutch Spring	1		1	1		1	47	A-50	Handwheel	1		1	1		1
11	F-48	Throw-out Lever Spring	1			1			49	L-4008-A	Carrier w/bearing	1		1	1		1
12	114165-01	RH Torsion Springs	1			1			49	108910-91	Carrier, 3-Jaw			1			1
13	L-1063	Packing Spring	2	2	2	4	4	4	50	L-4009	Retaining Collar	1		1	1		1
19	106489-92	Suction Valve	2	2	2	4	4	4	51	L-4007	18-T Sprocket Ring	1		1	1		1
20	106490-92	Discharge Valve	2	2	2	4	4	4	51	L-4006	16-T Sprocket Ring (Optional)						
21	L-1044-A	Flange Packing Washer	1	1	1	2	2	2	52	A-2758-A	Pawl	1			1		
22	L-1041	Washer	3	3	3	6	6	6	53	105373-01	Clutch Collar	1		1	1		1
23	L-1042	Retaining Ring	1	1	1	2	2	2	54	105895-01	Dowel Pin	1	1	1	2	2	2
24	L-1031-2	Stuffing Box Insert	1	1	1	2	2	2	56	105900-91	Piston Rod	1	1	1	2	2	2
25	H-30	Grease Fitting 1/8" NPT	2	2	2	3	3	3	57	112816-91	Piston Plunger	1	1	1	2	2	2
26	H-28	Grease Fitting (Drive-in)	4	4	4	4	4	4	58	114164-01	Throw-Out Spring (Optional)						
27	*L-3031	Valve O-Ring	4	4	4	8	8	8	59	*L-3052	Cross Head Guide Gasket	1	1	1	2	2	
28	*L-1022	Crankshaft O-Ring	1	1	1	1	1	1	60	*L-3074	Stuffing Box Gasket	1	1	1	2	2	2
29	*L-1045-V	Flange Plunger Packing	2	2	2	4	4	4	61	*L-3035	Gasket	1	1	1	2	2	2
31	L-3001	Cover Plate	1	1	1	1	1	1	62	*L-3002	Cover Plate Gasket	1	1	1	1	1	1
32	L-3023	Bearing Housing	1	1	1	1	1	1	63	*L-3021	Bearing Housing Gasket	1	1	1	1	1	1
33	111935-01	Crosshead Guide	1	1	1	2	2	2	64	*L-1098	Packing Adj. Gasket	2	2	2	4	4	4
34	L-3049-A	Outboard Stuffing Box W/L-1031-2	1	1	1	2	2	2	65	*110155-01	Washer	1	1	1	1	1	1
35	L-3055	Inboard Cylinder	1	1	1	2	2	2	66	A-147	Pump Mounting Pad	4	4	4	4	4	4
36	L-3045	Outboard Cylinder	1	1	1	2	2	2	67	L-1002	Pump Setting Scale	1	1	1	1	1	1
									68	L-3017	Small Eccentric	1	1	1	2		

105429
Hyd. pump control
conversion kit

106531
Hyd. cylinder repair kit

113557-91
Cylinder only



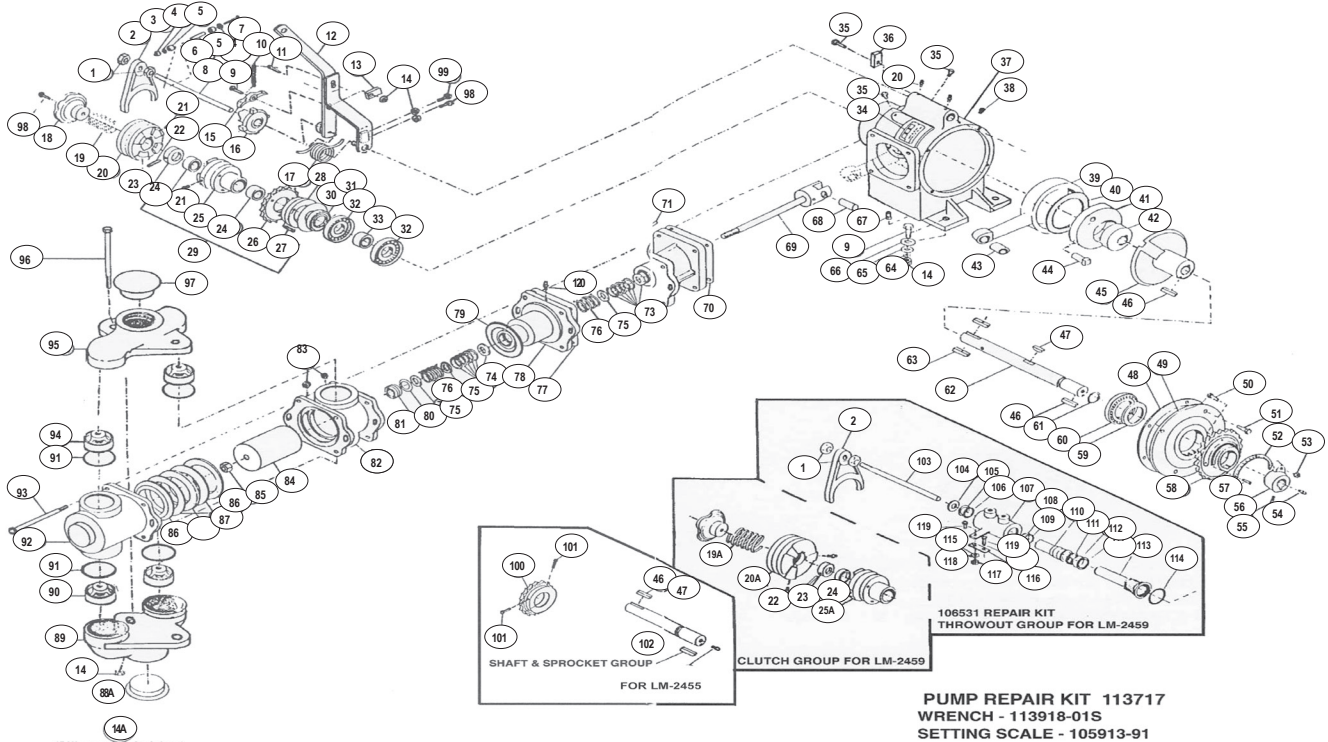
L-3000
L-4900 w/clutch

L-4905 w/o clutch
L-4910 w/Hyd. control

REF.	PART NO.	DESCRIPTION	L-4400	L-4405	L-4409	L-4900	L-4905	L-4910
69	L-4014	Spring Anchor	1			1		
70	115622-01	Oil Seal	1	1	1	1	1	1
71	115621-01	Oil Seal	1	1	1	1	1	1
72	L-1007-A	Crankshaft Bearing	1	1	1	1	1	1
73	L-3019	Crankshaft Bearing	1	1	1	1	1	1
74	A-2763	Roll Pin	1		1	1		
75	L-4249	Roll Pin	1		1	1		
78	A-261	Square Key w/Pin	2		2	2	2	2
79	L-3004	Eccentric Pin	1	1	1	2	2	2
80	L-1020	Setting Arm Key	2	3	2	2	3	2
81	A-4333	Woodruff Key	1	1	1	2	2	2
82	PLUG025B	1/4" Plug	3	3	3	3	3	3
83	A-2762	Cam Roller	2			2		
84	L-3064	Throw-Out Lever	1			1		
86	106532-01	18-T Sprocket		1			1	
88	A-116	Oilite Bushing	2		2	2		2
89	*113588.01	Connecting Rod Bushing	1	1	1	2	2	2
90	L-3026-A	Connecting Rod Assy.	1	1	1	2	2	2
91	A-2757-A	Throw-out Cam	1			1		
92	A-260	Clutch 4-Jaw	1		1		1	
92	108905-91	Clutch 3 Jaw	1			1		
93	L-4008-A	Carrier	1		1		1	
93A	L-4005	18-T Sprocket Assy (4-Jaw)	1			1		
93A	108909-91	18-T Sprocket Assy (3-Jaw)			1		1	
95	A-3097	3/8" ESNA Nut	1	1	1	1	1	1
96	L-1047	Self-Locking Nut	1	1	1	2	2	2
97	*L-1109	Rod Vee Packing Set	2	2	2	4	4	4
98	90681	7/16" x 8" Hex Bolt	2	2	2			
98	90708	1/2" x 7-1/2" Hex Bolt				2	2	2
100	92028	7/16" Nut	2	2	2			

REF.	PART NO.	DESCRIPTION	L-4400	L-4405	L-4409	L-4900	L-4905	2
100	92029	1/2" Nut				2	2	2
101	90669	3/8" x 5-1/2" Hex Bolt	4	4	4	8	8	8
103	92024	3/8" Nut	10	8	8	11	10	10
104	90637	5/16" x 1" Hex Bolt	12	12	12	16	16	16
105	90655	3/8" x 1-1/2" Hex Bolt	7	4	5	6	4	5
106	93011	3/8" Flat Washer	4	4	4	4	4	4
107	92024	3/8" Nut	4	4	4	4	4	4
108	93024	3/8" Lock Washer	4	4	4	4	4	4
109	91017	3/8" Square Head Bolt	1	1	1	1	1	1
110	90953	2-1/4" RD HD Screw	1			1		
111	A-697	Washer	2			2		
112	92014	#10 Square Nut	1			1		
113	90636	5/16" x 3/4" Hex Bolt		1	1		1	1
114	90634	5/16" x 1/2" Hex Bolt		1	1		1	1
115	90648	3/8" x 3/4" Hex Bolt	1			1		
117	92037	5/8" Jam Nut	2		2	2		2
118	5/32CP	5/32" x 1" Cotter Pin	1			1		
120	A-368	Setting Scale Screw	3	3	3	3	3	3
121	90532	5/16" x 3/8" Set Screw	3	3	3	3	3	3
122	90516	1/4-20 x 1-1/2" Socket Head	3		3	3	3	3
123	L-3018	Stroke Transfer Sleeve				1	1	1
124	L-3027-A	Discharge Manifold				1	1	1
126	L-3006	Throw-out Rod				1		
126	114708-91	Throw-out Rod					1	1
129	L-3013	Crankshaft				1		
130	115031-01	Crankshaft					1	
	L-4090	Repair Kit	1	1	1		1	1
	L-3090	Repair Kit						
	115698-91	Slide Rule	1	1	1			

LM-2450 SERIES PUMP PARTS LIST



PUMP REPAIR KIT 113717
WRENCH - 113918-01S
SETTING SCALE - 105913-91

REF.	PART NO.	DESCRIPTION	L-2450	L-2455	L-24559
1	92037	5/8" Jam Nut	2	0	2
2	A-70	Shifter Yoke	1	0	1
3	92014	#10 Square Nut	1	0	0
4	A-697	Washer	2	0	0
5	A-2762	Cam Roller	2	0	0
6	A-2763	Roll Pin	1	0	1
7	90953	2 1/4 RD HD Screw	1	0	0
8	A-2761	Shifter Rod	1	0	0
9	90655	3/8 x 1 1/2 Hex Bolt	5	4	4
10	F-48	Throw-Out Lever Spring	1	0	0
11	94010	5/32 CP x 1 Cotter Pin	1	0	0
12	A-2756	Throw Out Lever	1	0	0
13	A-2760	Spring Clip	1	0	0
14	92024	3/8 Hex Nut	11	6	6
**14	T-2010	3/8 Nut SS	2	2	2
15	A-2758-A	Pawl	1	0	0
16	A-2757-A	Throw-Out Cam	1	0	0
17	A-37-R	Torison Pring (R.H.)	1	0	0
18	A-50	Handwheel	1	0	1
19	HA-57	Safety Clutch Spring	1	0	0
19A	108907-01	Safety Clutch Spring	0	0	1
20	A-260	Clutch	1	0	0
20A	108905-91	Clutch	0	0	1
21	H-28	Grease Fitting (Dr. Typ.)	5	1	4
22	L-4249	Drive Pin	1	0	1
23	105373-01	Clutch Collar	1	0	1
24	A-116	Oilite Bushing	2	0	2
25	L-4008-A	Carrier	1	0	0
25A	108906-01	Carrier	0	0	1
26	L-4006-P	16T Sprocket	1	0	1
27	90993	1/4 x 1 1/2 Socket HD BLT	3	0	3
27A	90637	5/16 x 1 Hex Bolt	4	4	4
328	L-4009	Retaining	1	0	1
29	L-4004	16T Sprocket Assembly	1	0	1
*30	110155-01	Washer	1	0	1
*31	L-1018	Oil Seal	1	1	1
32	L-1017	Crankshaft Bearing	2	2	2
33	L-1016	Bearing Spacer	1	1	1
34	111958-01	Name Plate	1	1	1
735	90634	5/16 x 1/2 Hex Bolt	3	3	3
36	A-2759	Spring Clip (Lower)	1	0	0
37	L-1001-A	Crankcase	1	1	1
38	S-350	Vent Plug	1	1	1
39	L-1008-B	Connecting Rod	1	1	1
40	L-928	Bearing	1	1	1
41	L-1013-A	Eccentric Large	1	1	1
42	L-1015	Eccentric Small	1	1	1
*43	113588-01	Bearing	1	1	1
44	L-3004	Eccentric Pin	1	1	1
45	L-1089	Stroke Locating Sleeve	1	1	1
46	L-1020	Setting Arm Key	2	2	2
47	A-4333	Key Woodruff	1	1	1
*48	L-1006	Gasket Cover Plate	1	1	1
49	L-1004-A	Cover Plate	1	1	1
50	91017	3/8x1 3/4 Sq. Head Bolt	1	1	1
51	90636	5/16 x 3/4 Hex Bolt	4	4	4
52	L-1002	Pump Setting Scale	1	1	1
53	A-3097	3/8 Self Locking Nut	1	1	1
54	H-30	Grease Fitting (Thread)	1	1	1
55	90532	5/16 x 3/8 Set Screw	3	3	3
56	115630-01	Stroke Setting Arm	1	1	1
57	A-368	Setting Scale Screw	3	3	3
58	105932-91	Stroke Setting Flange	1	1	1
*59	L-1021	Oil Seal	1	1	1
60	L-1007-A	Crankshaft Bearing	1	1	1
*61	L-1022	Crankshaft "O" Ring	1	1	1
62	L-1019	Crankshaft	1	0	1
63	A-261	Square Key	2	0	2
64	93024	3/8 Lock Washer	4	4	4

REF.	PART NO.	DESCRIPTION	L-2450	L-2455	L-2459
65	93011	3/8 Flat Washer	4	4	4
66	A-147	Pump Mounting Pad	4	4	4
67	Plug025B	1/4" Plug	3	3	3
68	105895-01	Crosshead Pin	1	1	1
69	105926-91	Piston Rod Assembly	1	1	1
*70	L-1038	Crosshead GDE Gasket	1	1	1
71	90637	6/16 x 1 Hex Bolt	4	4	4
72	90692	1/2 x 2 Hex Bolt	2	2	2
**72	90693	1/2 x 2 Hex Bolt, SS	2	2	2
73	L-1000	Crosshead Guide	1	1	1
*74	L-1109	Rod Vee Packing Set	2	3	2
75	L-1041	Washer, Packing	3	2	3
76	L-1063	Spring, Packing	2	1	2
*77	L-1030	Gasket Stuffing Box	1	1	1
78	L-1031-A	Outboard Stuffing Box	1	1	1
*78	L-1031-1S	Outboard Stuffing Box, SS	1	1	1
*79	L-1023	Gasket	1	1	1
80	L-1042	Retaining Ring	1	1	1
81	L-1031-2	Stuffing Box Insert	1	1	1
82	113650-01	Cylinder, Inboard	1	1	1
**82	113650-01S	Cylinder, Inboard, SS	1	1	1
83	92029	1/2 Hex Nut	4	4	4
**83	92030	1/2 Hex Nut, SS	4	4	4
84	103290-91	Piston Plunger Assembly	1	1	1
85	L-1047	Self-Locking Nut	1	2	1
*86	L-1045-V	Packing Plunger	2	2	2
*87	L-1098	Gasket, Flange Packing	2	2	2
88	L-1044-A	Washer, Flange Packing	1	1	1
88A	L-3115	1-1/2 Plastic Plug	1	1	1
89	113649-01	Suction Manifold	1	1	1
*89	113649-01S	Suction Manifold, SS	1	1	1
90	106489-92	Valve Suction	2	2	2
91	L-3031	"O" Ring Valve	4	4	4
92	113651-01	Outboard Cylinder	1	1	1
*92	113651-01S	Outboard Cylinder, SS	1	1	1
93	90689	1/2 x 1-1/2 Hex Head Bolt	2	2	2
*93	90687	1/2 x 1-1/2 Hex Head Bolt, SS	2	2	2
94	106490-92	Discharge Valve	2	2	2
95	113648-01	Discharge Manifold	1	1	1
*95	113648-01S	Discharge Manifold, SS	1	1	1
96	90672	3/8 x 7-1/2 HHMB	2	2	2
*96	91071	3/8 x 6 Bolt, SS	2	2	2
97	C-3518	1" Thread Protector	1	0	1
98	90653	3/8 x 2 HHMB	2	1	1
99	90657	3/8 x 2 HHMB	1	1	1
100	113685-01	16T Sprocket	0	2	0
101	90986	3/8 x 5/8 Screw	0	2	0
102	L-1019-A	Crankshaft	0	1	0
103	114706-91	Throw Out Rod Assembly	0	0	1
104	93016	SAE Flat Washer	0	0	1
105	105448-01	Back-Up Ring	0	0	1
106	A-3776	"O" Ring	0	0	1
107	105447-01	Body	0	0	1
108	105452-01	Back-Up Ring	0	0	1
109	105461-01	"O" Ring, Piston Rod	0	0	1
110	105449-01	Piston	0	0	1
111	105462-01	Back-Up Ring	0	0	2
112	A-2849	"O" Ring	0	0	1
113	105463-01	Cylinder	0	0	1
114	105500-01	Body, "O" Ring	0	0	1
115	93010	5/16 Flat Washer	0	0	2
116	113646-01	Strap	0	0	2
117	92020	5/16 Hex Nut	0	0	2
118	93023	5/16 Lock Washer	0	0	2
119	90636	5/16 x 3/4 Hex Head Bolt	0	0	2
120	H-30	45" Grease Fitting	1	1	1

All designs subject to change without notice.

* Parts contained in 113717 Repair Kit

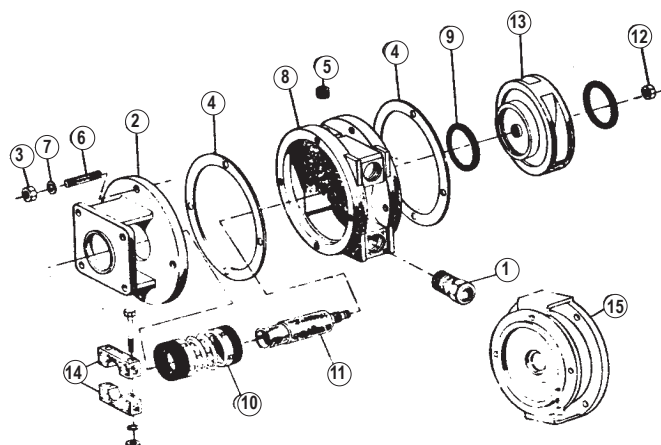
** Parts Unique to the LM- 2450-S Series Only

JOHN BLUE 2" VAC-U-SEAL PUMP PARTS

DOUBLE SEAL - 1-1/2" & 2" PUMPS

SHAFT & RESERVOIR PARTS

ITEM	PART NO.	QTY.	DESCRIPTION
1	S-3555	2	View Window
2	S-3556	1	Adapter - Gas Engine & Pedestal
3	S-3557	4	3/8" Nut, SS
4	S-3558	2	Gasket, Seal
5	95019	2	Pipe Plug
6	S-3561-P	4	Stud
7	93025	4	Lock Washer
8	102040-01	1	Reservoir, Iron, Serial above 7885
9	116246-01	2	Wear Ring-Teflon(included w/S-3756)
10	S-3756	1	Double Seal Assembly - Viton
11	S-3568	1	Shaft, Impeller
12	S-3572	1	Nut, Impeller
13	102041-01	1	Impeller, Serial Above 7885
14	S-3607	1	Clamp Assembly
15	S-3609	1	Adapter - Electric Motor



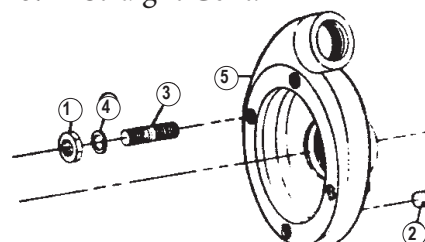
1-1/2" & 2" STRAIGHT CENTRIFUGAL PUMPS

VOLUTE HOUSING

ITEM	PART NO.	QTY.	DESCRIPTION
1	S-3557	4	3/8" Nut - Steel
2	95019	3	Pipe Plug
3	S-3561-P	4	3/8" x 1-5/8" Stud - Stainless
4	93025	4	Lock Washer
5	102038-01	1	Volute Housing, Serial above 7885

103274 Gasket & Seal Kit

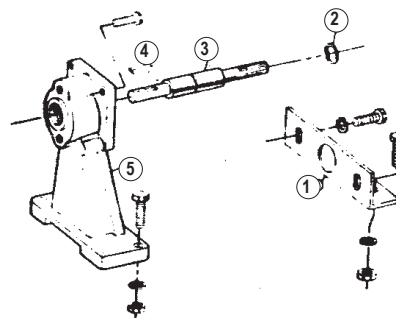
1 1/2" & 2" Straight Cent.



1-1/2" & 2" PUMPS

PEDESTAL PARTS

ITEM	PART NO.	QTY.	DESCRIPTION
1	S-3573	1	Angle Leg - Self Priming Only
2	S-3585	1	Snap Ring
3	S-3586	1	Bearing and Shaft Assembly
4	S-3583	1	Woodruff Key
5	S-3584	1	Pedestal



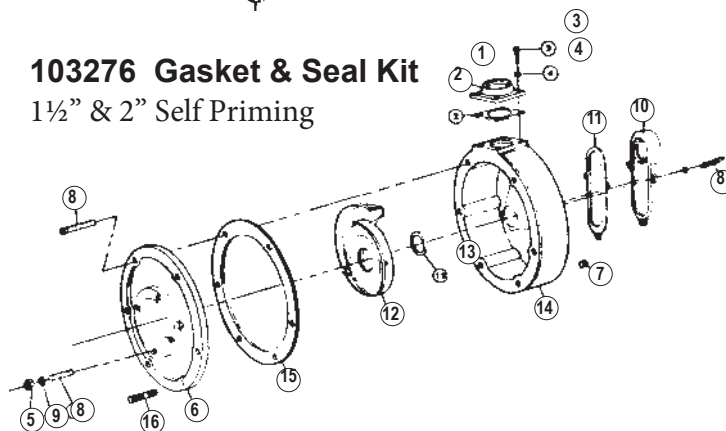
1-1/2" & 2" SELF PRIMING PUMP

CASE PARTS

ITEM	PART NO.	QTY.	DESCRIPTION
1	S-3551	1	2" Outlet
2	S-3552	1	Gasket, Flange
3	S-3553	4	5/16" x 1-1/4" Cap Screw
4	S-3554	4	Lock Washer
5	S-3557	13	3/8" Nut
6	S-3559	1	Cover Housing
7	95019	1	Pipe Plug
8	S-3561-P	7	3/8" x 1-5/8" Stud
9	93025	13	3/8" Lock Washer
10	S-3569	1	2" Flange, Suction
11	S-3570	1	Gasket, Suction Flange
12	102039-01	1	Scroll Plate, Iron, Serial above 7885
13	S-3577	1	Gasket
14	S-3580	1	Housing
15	S-3581	1	Gasket Housing
16	S-3597-P	1	Stud 3/8" x 2-1/8"

103276 Gasket & Seal Kit

1 1/2" & 2" Self Priming

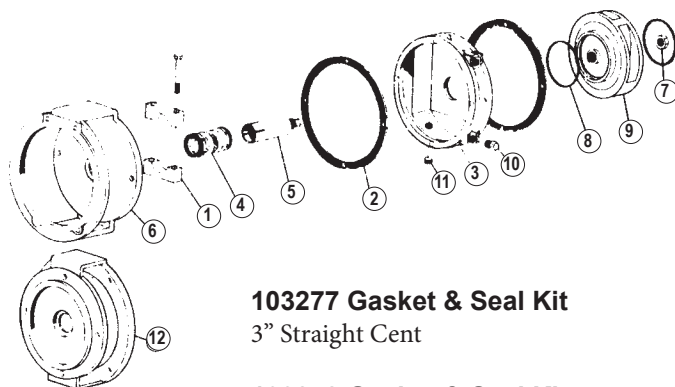


JOHN BLUE

JOHN BLUE 3" VAC-U-SEAL PUMP PARTS

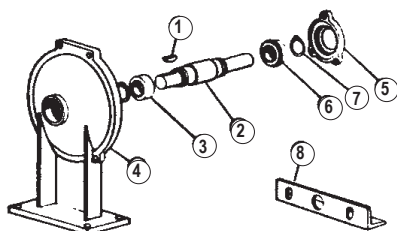


DOUBLE SEAL- 3" PUMPS SHAFT & RESERVOIR PARTS



103277 Gasket & Seal Kit
3" Straight Cent

103278 Gasket & Seal Kit
3" Self Priming

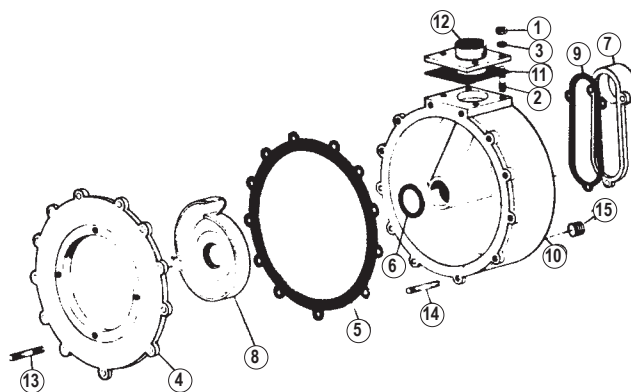


ITEM	PART NO.	QTY.	DESCRIPTION
1	S-3608	1	Clamp Assembly
2	S-3638	2	Gasket, Seal
3	102035-01	1	Reservoir, Above S/N 9920
4	S-3757	1	Double Seal Assembly Above S/N 9920
5	S-3646	1	Shaft, Impeller
5	114524-01	1	Shaft for BS Pump
6	102189-01	1	Adapter for Gas. Engine, Serial Above 9920
6	114523-01	1	Adapter for BS Pump
7	S-3649	1	Lock Nut 3/4" 16 Left Hand Thread
8	110152-01	2	Annular Steel (included w/ S-3757)
9	102037-01	1	Impeller, Above S/N 9920
10	S-3555	2	View Windows
11	95019	2	Plugs
12	102190-01	1	Adapter for Electric Motor, Above S/N 9920

PEDESTAL PARTS FOR S-3320-P and SP-3340-P

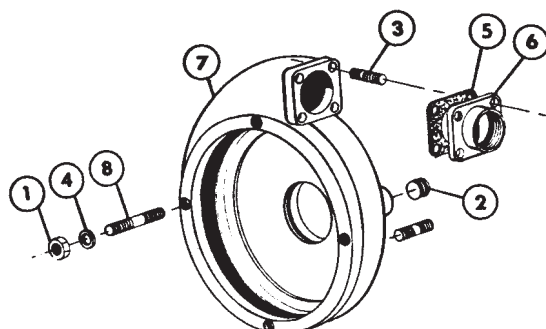
ITEM	PART NO.	QTY.	DESCRIPTION
1	A-4333	1	Woodruff Key
2	S-3630	1	Shaft
3	S-3634	1	Bearing - Outer
4	S-3632	1	Pedestal
5	S-3633	1	Bearing Cap
6	S-3634	1	Bearing
7	110292-01	2	Snap Ring
8	S-3667-P	1	Angle Bracket for Self Priming Only

3" SELF PRIMING PUMP CASE PARTS



ITEM	PART NO.	QTY.	DESCRIPTION
1	S-3557	23	Nut
2	S-3561-P	7	Stud
3	93025	23	Lock Washers
4	S-3640	1	Housing, Cover
5	S-3641	1	Gasket
6	S-3648	1	Gasket
7	S-3652	1	Suction Flange
8	102036-01	1	Scroll Plate Above S/N 9920
9	S-3654	1	Gasket, Suction Flange
10	S-3655	1	Housing
11	S-3656	1	Gasket, Discharge Flange
12	S-3657	1	Flange, 3" F.P.T.
13	S-3664-P	4	Stud
14	S-3666-P	12	Stud
15	95019	1	Pipe Plug

3" STRAIGHT CENTRIFUGAL PUMPS VOLUTE HOUSING



ITEM	PART NO.	QTY.	DESCRIPTION
1	S-3557	12	Nut
2	95019	3	Plugs
3	S-3561-P	8	Stud
4	93025	12	Lock Washer
5	S-3656	2	Flange Gasket
6*	S-3657	1	Flange, 3" F.P.T.
7	102034-01	1	Volute Housing, Above S/N 9920
8	S-3664-P	4	Stud

*Not Shown



TM075/050

- ▶ Polypropylene Construction
- ▶ 8 outlets 1/2" FPT
- ▶ 1/4" FPT Gauge Outlet
- ▶ 3/4" FPT Inlet



114015

- ▶ All Stainless Steel Construction
- ▶ 4 Outlets, 3/4" FPT
- ▶ 1-1/2" FPT Inlet



113934

- ▶ All Stainless Steel Construction
- ▶ 12 Outlets, 1/4" FPT
- ▶ 1" FPT Inlet



114382

- ▶ 16 Outlets, 1/4" FPT
- ▶ 1" FPT Inlet
- ▶ All Stainless Steel Construction



113983

- ▶ NH3 Manifold
- ▶ Stainless Steel Construction
- ▶ 12 1/4" FPT Outlets
- ▶ 1" Inlet FPT Inlet

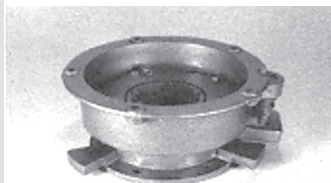


700 APPLICATOR PARTS

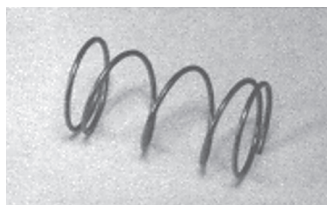


DRIVE SPROCKET CLUTCH

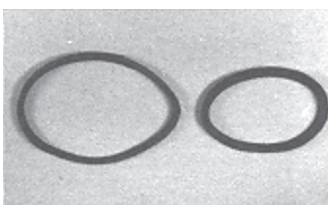
A-5450



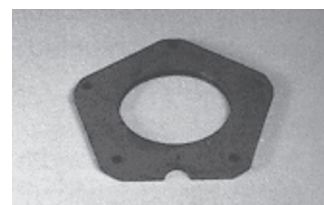
A-5440



A-5447 - A-5446



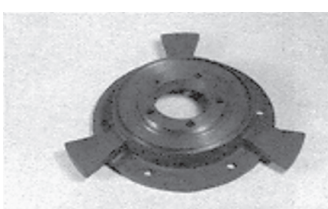
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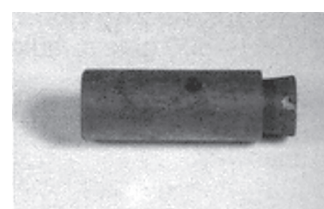
A-5443



A-5444

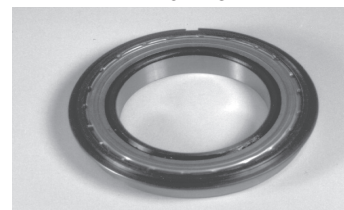


A-5445



PART NO.	QTY.	DESCRIPTION
A-5440	1	SPRING
A-5441	1	BEARING RETAINER
A-5442	1	BEARING PLATE
A-5443	1	SPROCKET CARRIER
A-5444	1	BEARING CARRIER
A-5445	1	LITCH PIN
A-5446	1	BEARING PLATE STEAL
90651	5	3/8" X 1 H.H.M.B GR5
93024	5	3/8" LOCK WASHER
A-5447	1	BEARING SEALS
A-5448	1	BEARING
A-5449	1	ROLL PIN - 7/32" X 2 1/2"
A-8148	5	FERRULE FOR 50 TOOTH SPROCKET
90518	5	5/16" X 1" SOCKET HEAD CAP SCREW
90519	6	3/8" X 1" SOCKET HEAD CAP SCREWS (NOT SHOWN)

A-5448

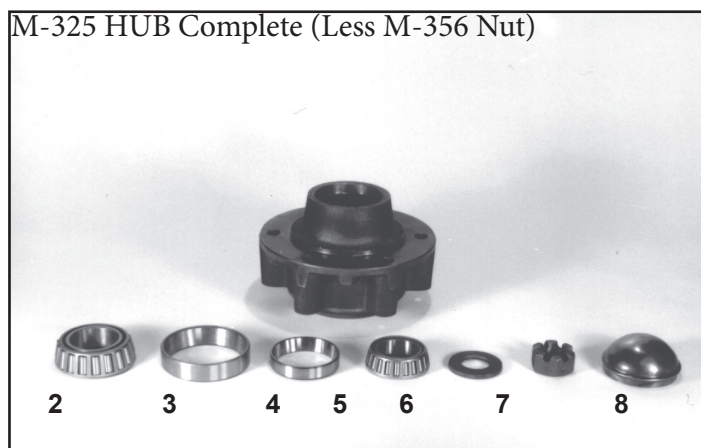


A-5441



M-325-A HUB with Cups

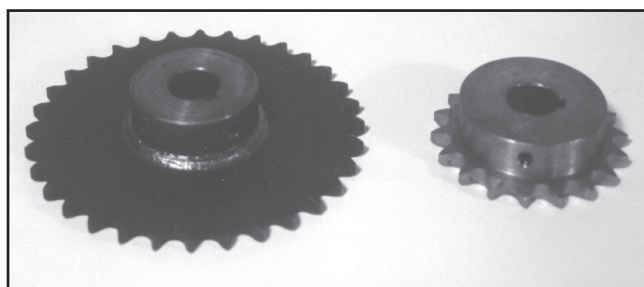
M-325 HUB Complete (Less M-356 Nut)



REF.	PART NO.	DESCRIPTION
1	M-330	SEAL (NOT SHOWN)
2	42500	INNER BEARING
3	42000	INNER CUP
4	M-327	OUTER CUP
5	M-326	OUTER BEARING
6	M-355	WASHER
7	M-356	NUT (NOT INCLUDED)
8	M-354	GREASE CAP
	A-1461-H (6 REQUIRED)	LUG BOLT (NOT SHOWN)

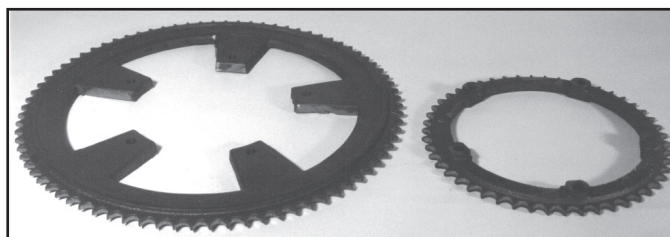
SPROCKETS

SPROCKETS			
PART NO.	TOOTH	NO.	BORE SIZE
106532-01	18T	NO. 50	1" BORE
GG-50B24-1	24T	NO. 50	1" BORE
GG-50B26-1	26T	NO. 50	1" BORE
105482-01	32T	NO. 50	1" BORE
103495-01	32T	NO. 50	1 1/4" BORE
GG-50B36-1	36T	NO. 50	1" BORE
GG-50B50-1	50T	NO. 50	1" BORE



SPROCKETS			
PART NO.	TOOTH	NO.	BORE SIZE
113037	18T	NO. 60	1 1/4" BORE
A-1342-AP	60T	NO. 50	5 BOLT
A-1342-BP	50T	NO. 50	5 BOLT
A-1502-P	80T	NO. 50	5 BOLT

STEEL SPROCKETS REPLACE 50 & 60 TOOTH

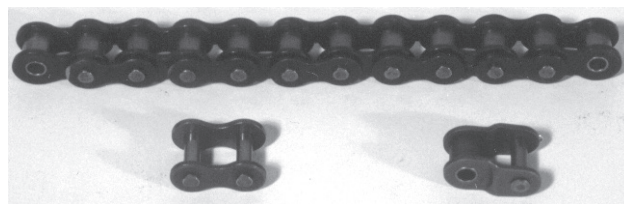


A-1502 80T

A-1342-AP 60T
A-1342-BP 50T



ROLLER CHAIN		
PART NO	NOMINAL NO.	PITCH
A-5728	RC50	5/8"
A-5730	RC60	3/4"
A-5727	RC40	1/2"
A-5732	RC2040	1"



CONNECTOR LINKS	
PART NO	SIZE
A-5728-1	#50
A-5730-1	#60
A-5732-1	#2040
A-5727-1	#40

OFFSET LINKS	
PART NO	SIZE
A-5728-2	#50
A-5730-2	#60
A-5732-2	#2040

SWIVEL JACKS

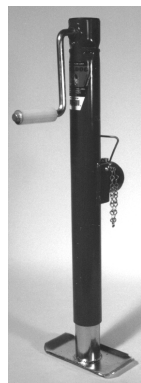
C-1837-A

TWS 151 DS
Topwind 2000# Cap,
Retaining Ring Swivel 10"



C-1837-L

w/ pipe MT



C-1837-F

SWS 151 DS
Sidewind 2000# Cap,
Retaining Ring Swivel 10"

C-1837-H

SWL 158 DTSF
Sidewind 2000# Cap,
Tube Swivel 15"

C-1837-B

SWL 178 DTSF
Sidewind 5000# Cap,
Retaining Ring Swivel 10"

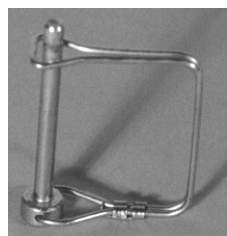


HITCH PINS



1-16108 3/4" dia. x 4-1/4" usable length w/chain

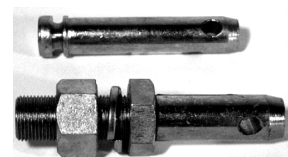
1-13008 1" dia. x 4-1/4" usable length w/o chain



Snapper Pin

1-15029 1/4 dia. x 2-3/4

Jack Parts	
C-1837-C	MOUNTING PLATE
C-1837-D	PLUNGER
C-1837-E	SWIVEL RETAINING RING
C-1837-G	HANDCRANK, TOPWIND
C-1837-I	HANDCRANK, SIDEWIND



1-13012 CAT I

Lift Pin 7/8 x 1-1/8 Threaded

1-13002 CAT I & II

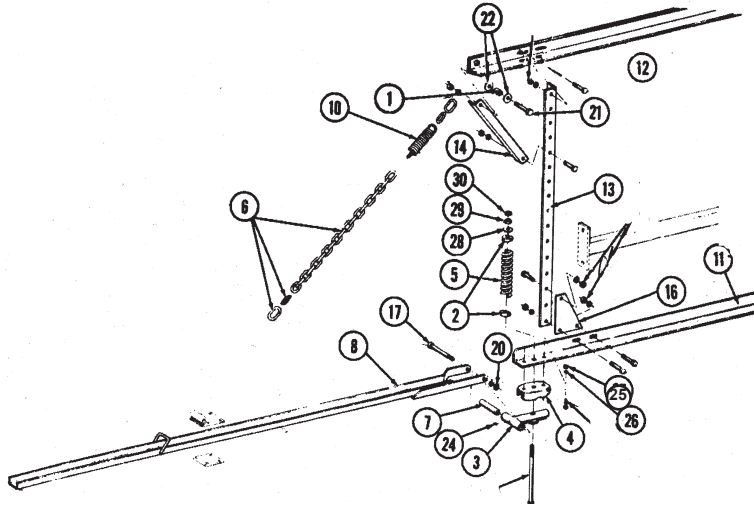
Toplink Pin

1-13001 CAT II

Lift Pin 1-1/8 x 1-1/8 Threaded

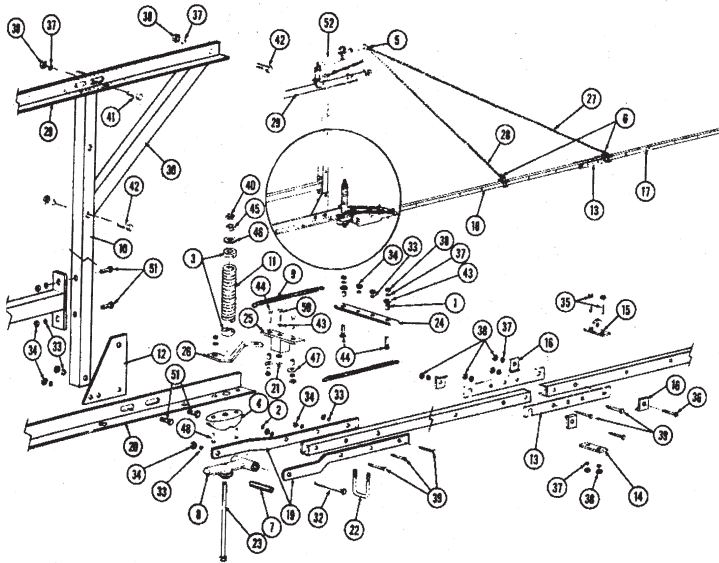
Bearings	
C-5274	1" PILLOW BLOCK





R-150 30' BOOM FRAME

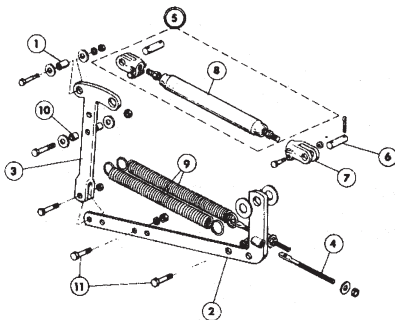
NO.	PART NO.	QTY.	DESCRIPTION
1	A-1081	2	Spacer Bushing
2	L-1293-A	4	Spring Bushing
3	LA-1595	2	Boom Hinge
4	L-1603-A	2	Spring Trip Casting
5	L-1611-A	2	Spring
6	HC-2027	2	7' Chain
7	L-3538	2	Boom Ferrule
8	L-3550	1	Boom Arm, Left/Right
10	S-2170	2	Boom Spring
11	TA-1150	1	Boom Carrier
12	TA-1151	1	Cross Brace, Top
13	TA-1153	2	Boom Upright
14	TA-1156	2	Brace, Top
16	T-1163	2	Boom Frame Brace
17	90704	2	1/2" x 5" H.H.M.B.
18	90733	2	5/8" x 10" H.H.M.B.
17	H-28	2	Grease Fitting
25	90557	4	3/8" x 1" Square Head Bolt



R-171 BOOM ASSEMBLY

ITEM	PART NO.	QTY.	DESCRIPTION
1	A-177	8	Sealer Spring Catch Ferrule
2	H-28	2	Grease Fittings Drive Type
3	L-1293-A	4	Spring Bushing
4	L-1603-A	2	Spring Trip Casting
5	L-1647-1	2	Lap Link (5/16")
6	L-1647-2	6	Lap Link (1/4")
7	L-3538	2	Boom Hinge Ferrule
8	LA-1595	2	Cast Boom Hinge
9	S-404	4	Boom Spring
10	S-2383	2	Boom Support
11	S-5394	2	12-Row Boom Spring
12	T-1163	2	Brace for Boom Frame
13	T-1164	4	Boom Arm Hinge
14	T-1166	4	Chain Anchor Clamp Plate
15	T-1167	4	Chain Anchor
16	T-1168	8	Hinge Clamp
17	T-1169	2	Outer Boom Arm
18	T-1170	2	Inner Boom Arm
19	T-1172	4	Boom Arm Adapter
20	T-1173	1	Boom Center
21	T-1174	2	Spacer Nut
22	T-1175	2	U-Bolt
23	T-1176	2	Stud
24	T-1177	2	Cross Bar, Boom
25	T-1178	2	Spring Hanger Bar
*	T-1179-L	1	Stabilizer Bracket, Left
26	T-1179-R	1	Stabilizer Bracket, Right
27	HC-2027	2	11 1/2 ft. Boom Arm Support Chain - Outer
28	HC-2027	2	8 1/2 ft. Boom Arm Support Chain-Inner
29	TA-1151	1	Cross Brace - Top
30	TA-1156	1	Upright Brace
31	TA-1156	1	Upright Brace
32	90704	2	1/2" - 13 NC x 5
33	93004	14	1/2" Lock Washer
34	92029	14	1/2" - 13 NC - Hex Nut
35	90655	6	3/8" - 16 NC x 1-1/2"
36	90662	4	3/8" - 16 NC x 3-1/4"
37	93024	34	38" Lock Washer, Std., Split
38	92024	32	3/8" - 16 NC Nut
39	90660	12	3/8" - 16 NC x 2-3/4"
40	92024	8	38" - 16 NC Hex - Jam Nut
41	90689	8	1/2"x1 1/2"HMB - 16 NC x 2-1/2"
42	90686	6	1/2" - 16 NC x 1-1/4"
43	93011	8	3/8" Flat Washer
44	90589	2	3/8" - 16 NC x 1-1/2" Carriage Bolt
45	92035	2	5/8" - 11 NC Hex Nut
46	93017	2	Flat Washer - 3/4 Flat Washer
47	93015	2	5/8" Washer Plated Flat
48	90557	4	3/8" x 1-1/4" Bolt - Square Head
49	90689	2	1/2" - 13 NC x 1-1/2" H.H.M.B.
50	90653	2	3/8" - 16 NC x 11/4"
51	90686	12	1/2" - 13 NC x 1-1/4"
	T-1165	9	Nozzle mounting bracket

LD-3560-A BOOM SHOCK ABSORBER



ITEM	PART NO.	QTY.	DESCRIPTION
1	A-512	1	Ferrule
2	L-3569	1	Shock Absorber Bracket
3	L-3601	1	Pivot Arm
4	L-3602	2	Spring Adjusting Rod
6	L-3563	2	Clevis Pin
7	L-3565-1	2	Clevis
8	A-177	1	Shock Absorber
9	L-4837	2	Cylinder Spring
10	S-4320	2	Ferrule
11	90690	2	1/2" x 1 3/4" Hex Head M.B. Grade 5
	93004	2	Lock washer
	92029	2	Hex nut
	90656	1	3/8" x 1-3/4" Hex Head M.B.
	A-3097	1	Locking nut

BANJO VALVES



4 BOLTED VALVES						
PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THU BALL	REPLACMENT HANDLE	REPAIR KIT
V050	1/2" FULL PORT VALVE	300	1/2"	3/4"	V10153A	N/A
V075	3/4" FULL PORT VALVE	300	3/4"	3/4"	V10153A	N/A
V100	1" STANDARD PORT VALVE	300	1"	3/4"	V10153A	N/A
V100FP	1" FULL PORT VALVE	300	1"	1"	V10153A	V10200
V125	1 1/4" STANDARD PORT VALVE	300	1 1/4"	1"	V10153A	V10200
V125FP	1 1/4" FULL PORT VALVE	225	1 1/4"	1 1/2"	V20153	V20200
V150	1 1/2" FULL PORT VALVE	225	1 1/2"	1 1/2"	V20153	V20200
V200	2" STANDARD PORT VALVE	225	2"	1 1/2"	V20153	V20200

4 BOLTED FULL PORT VALVES						
PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THU BALL	REPLACMENT HANDLE	REPAIR KIT
VFMT204FP	2" FULL PORT VALVE MALE NPT X MALE ADAPTOR	150	2"	2"	V25153	V25200
V204FP	2" FULL PORT VALVE	150	2"	2"	V25153	V25200



VFMT204FP



V204FP

6 BOLTED VALEVS						
PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THU BALL	REPLACMENT HANDLE	REPAIR KIT
V200FP	2" FULL PORT VALVE	225	2"	2"	V25153	V25200
VFMT200FP	2" FULL PORT VALVE W/ F ADAPORT	225	2"	2"	V25153	V25200
V300	3" STANDARD PORT VALVE	225	3"	2 1/2"	V25153	V30200
V300FP	3" FULL PORT VALVE	200	3"	3"	V25153	V35200
V400	4" STANDARD PORT VALVE	100	4"	3 1/2"	V25153	V40200



V200FP

V300

V400



VFMT200FP

EASY - FILL VALVES				
PART NO.	DESCRIPTION	MAX PSI	VALVE HANDLE	REPAIR KIT
VSBBH204FP	2" FULL PORT EASY-FILL VALVE	150	V25153	VS25200
VSBBH205FP	2" FULL PORT EASY-FILL VALVE W/ CARRY HANDLE	150	V25153	VS25200
VSBBH304FP	3" FULL PORT EASY-FILL VALVE	150	V25153	N/A
VSBBH305FP	3" FULL PORT EASY-FILL VALVE W/ CARRY HANDLE	150	V25153	N/A
H25053	2" & 3" CARRY HANDLE	N/A	N/A	N/A



VSBBH204FP

VSBBH205FP



VSBBH304FP

VSBBH305FP



H25053



BANJO MICRO VALVES

FEMALE NPT MICRO VALVES



PART NO.	DESCRIPTION	MAX PSI	THREAD SIZE	OPENING BALL THRU
LV025V	1/4" FEMALE NPT MICRO VALVE	300	1/4"	3/8"
LV038V	3/8" FEMALE NPT MICRO VALVE	300	3/8"	3/8"
LV050V	1/2" FEMALE NPT MICRO VALVE	300	1/2"	15/32"
LV050SLV	1/2" SIDE LOAD MICRO VALVE	300	1/2"	1/2"
LV050SLLV*	1/2" SIDE LOAD LOCKING MICRO VALVE	300	1/2"	15/32"

HOSE BARB MICRO VALVES



PART NO.	DESCRIPTION	MAX PSI	THREAD SIZE	OPENING BALL THRU
LVHB038V	3/8" HOSE BARB MICRO VALVE	300	3/8"	3/8"
LVHB050V	1/2" HOSE BARB MICRO VALVE	300	1/2"	3/8"
LVHB075	3/4" HOSE BARB MICRO VALVE	300	3/4"	15/32"

FEMALE X MALE NPT MICRO VALVES



PART NO.	DESCRIPTION	MAX PSI	THREAD SIZE	OPENING BALL THRU
LV025MTV	1/4" FEMALE X MALE NPT MICRO VALVE	300	1/4"	3/8"
LV038MTV	3/8" FEMALE X MALE NPT MICRO VALVE	300	3/8"	3/8"
LV038050MTV	3/8" FEMALE X 1/2" MALE NPT MICRO VALVE	300	3/8" X 1/2"	3/8"
LV038050MTLV*	3/8" FEMALE X 1/2" MALE NPT LOCKING MICRO VALVE	300	3/8" X 1/2"	3/8"
LV050MTV	1/2" FEAMLE X MALE NPT MICRO VALVE	300	1/2"	15/32"
LV050100MTV	1/2" FEMALE X 1" MALE NPT MICRO VALVE	300	1/2"	15/32"
LV050100MTLV*	1/2" FEMALE X 1" MALE NPT LOCKING MICRO VALVE	300	1/2" X 1"	15/32"

PUSH - LOCK MICRO VALVES



PART NO.	DESCRIPTION	MAX PSI	THREAD SIZE	OPENING BALL THRU
LVPL025V	1/4" FEMALE PUSH - LOCK MICRO VALVE	300	1/4"	3/8"
LVPL038V	3/8" FEMALE PUSH - LOCK MICRO VALVE	150	3/8"	3/8"

HOSE BARB X MALE NPT MICRO VALVES



PART NO.	DESCRIPTION	MAX PSI	THREAD SIZE	OPENING BALL THRU
LVHB038050MTV	3/8" HOSE BARB X 1/2" MALE NPT MICRO VALVE	300	1/2"	3/8"
LVHB075MTV	3/4" HOSE BARB X 3/4" MALE NPT MICRO VALVE	300	3/4"	1/2"
LVHB075100MTV	3/4" HOSE BARB X 3/4" MALE NPT MICRO VALVE	300	1"	15/32"
LVHB075100MTLV	3/4" HOSE BARB X 1" MALE NPT LOCKING MICRO VALVE	300	1"	15/32"

LV025V



LVHB038V



LV025MTV



LVPL025V



LVHB038050MTV



POLYPROPYLENE BALL VALVES



VALVES ACCESSORIES

PART NO.	DESCRIPTION	FITS VALVES
V10270	STRAIGHT MOUNTING BRACKET	V100FP, V125
V10271	90 ° MOUNTING BRACKET	V100FP, V125
V25270	STRAIGHT MOUNTING BRACKET	V200FP, V300, V300FP, V400, VFMT200FP
V25271	90 ° MOUNTING BRACKET	V200FP, V300, V300FP, V400, VFMT200FP
VL25153	LOCKING HANDLE	V200FP, V300, V300FP, V400, VFMT200FP



VSF200



VSMT200



VSFMT200



VSFMT04HSFP

2" STUBBY VALVES

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	REPLACEMENT HANDLE	REPAIR KIT
VSF200	2" MALE ADAPTER X 2" FEMALE NPT	100	2"	1 1/2"	VS20152SH	VS20200
VSMT200	2" MALE NOT X 2" FEMALE NPT	100	2"	1 1/2"	VS20152SH	VS20200
VSFMT200	2" MALE ADAPTOR X 2" MALE NPT	225	2"	1 1/2"	VS20152SH	VS20200
VSMT204FP	2" MALE NPT X 2" FEMALE NPT	200	2"	2"	VS25153	VS25200
VSF204FP	2" MALE ADAPTER X 2" FEMALE NPT	100	2"	2"	VS25153	VS25200
VS204FP	2" FEMALE NPT X 2" FEMALE NPT	225	2"	2"	VS25153	VS25200
VSFMT204FP	2" MALE ADAPTER X 2" MALE NPT	150	2"	2"	VS25153	VS25200
VSFMT204HSFP	2" FP MALE ADAPTER X 2" MALE NPT W/ SS BALL, STEM & HANDLE	150	2"	2"	N/A	VSSH25200



VSF300



VSMT300



VSFMT300



VSFMT300HSFP

3" STUBBY VALVES

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	REPLACEMENT HANDLE	REPAIR KIT
VSF300	3" FEMALE NPT X 3" MALE ADAPTER	100	3"	2 1/2"	V25153	VS30200
VSMT300	3" FEMALE NPT X 3" MALE NPT	100	3"	2 1/2"	V25153	VS30200
VSFMT300	3" MALE NPT X 3" MALE ADAPTER	225	3"	2 1/2"	V25153	VS30200
VSFMT300FP	3" FULL PORT MALE ADAPTER X 3" MALE NPT	100	3"	3"	V25153	VS35200
VSFMT300HSFP	3" FULL PORT MALE ADAPTER X 3" MALE NPT W/ SS BALL STEM & HANDLE	100	3"	3"	VS301503SS	N/A

3-WAY VALVES							
PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	HANDLE TYPE	REPLACEMENT HANDLE	REPAIR KIT
V075BL	3/4" 3 - WAY BOTTOM LOAD VALVE	200	1"	1"	T	V10353TB	N/A
V100BL	1" FP 3-WAY BOTTOM LOAD VALVE	225	1"	1"	T	V10353TB	N/A
V125BL	1 1/4" 3-WAY BOTTOM LOAD VALVE	300	1 1/4"	1 1/2"	T	V20353TB	N/A
V150BL	1 1/2" FP 3-WAY BOTTOM LOAD VALVE	225	1 1/2"	1 1/2"	T	V20353TB	N/A
V200BL	2" FP 3-WAY BOTTOM LOAD VALVE	200	2"	2"	STRAIGHT	V25353B	V25200BL
V075SL	3/4" 3-WAY SIDE LOAD VALVE	200	3/4"	3/4"	STRAIGHT	V10153A	N/A
V100SL	1" FP 3-WAY SIDE LOAD VALVE	200	1"	1"	STRAIGHT	V10153A	N/A
V125SL	1 1/4" 3-WAY SIDE LOAD VALVE	300	1 1/4"	1 1/4"	T	V20353TS	N/A
V150SL	1 1/2" FP 3-WAY SIDE LOAD VALVE	225	1 1/2"	1 1/2"	T	V20353TS	N/A
V200SL	2" FP 3-WAY SIDE LOAD VALVE	225	2"	2"	STRAIGHT	V25153SH	V25200BL



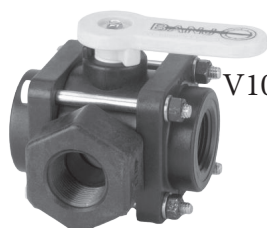
V100BL



V150BL



V200BL



V100SL



V150SL



V200SL

1 1/2" - 2" NOZZLE VALVES							
PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	FEMALE NPT	REPLACEMENT HANDLE	REPAIR KIT
VA150	1 1/2" NOZZLE VALVE W/ 90 ° ELBOW	225	1 1/2" X 8"	1 1/2"	1 1/2"	V20152	V20200
VA200	2" NOZZLE VALVE W/ 90 ° ELBOW	200	2" X 8"	1 1/2"	2"	V20152	V20200
VA200/150	2" FEMALE NPT X 1 1/2" NOZZLE	200		1 1/2"	1 1/2"	V20152	V20200
VA200FP	2" FP NOZZLE VALVE W/ 90 ° ELBOW	225	2" X 8"	2"	2"	V25152	V25200



VA150

1" DISPENSING NOZZLE				
PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	REPAIR KIT
VN100	1" DISPENSING NOZZLE	150	1"	VN10200
V10161	1" NOZZLE PIPE FOR USE WITH V100, V100FP, & SUV100FP	150	1"	N/A

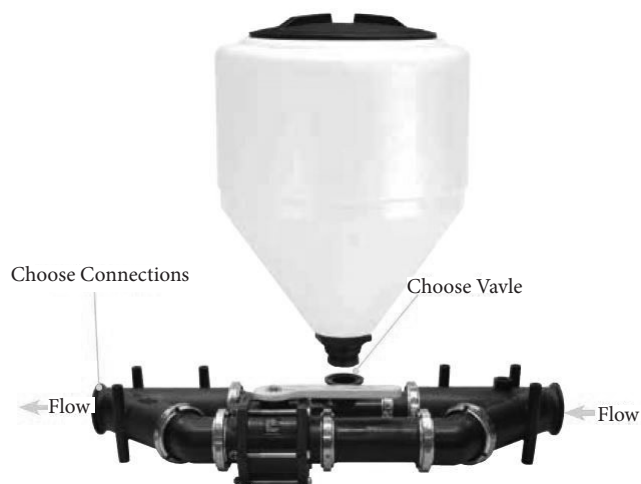


VN100



V10161

BANJO MANIFOLD INDUCTOR SYSTEMS



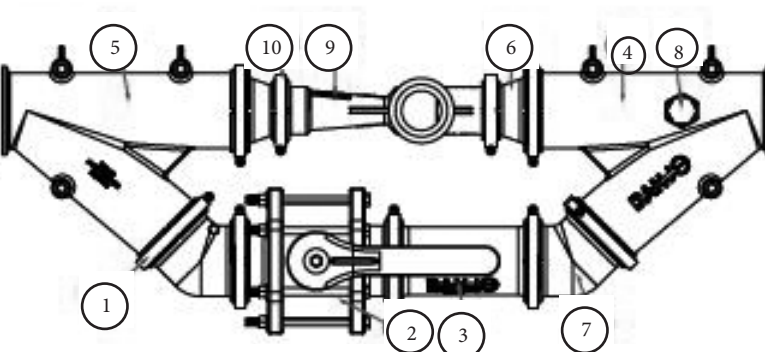
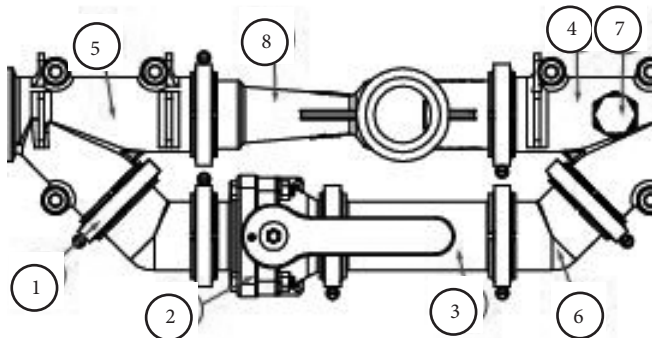
HV200



MHV220A

MANIFOLD INDUCTOR SYSTEMS		
PART NO.	DESCRIPTION	MAX PSI
MIS220	2" FULL PORT MANIFOLD INDUCTOR SYSTEM FLANGE X FLANGED ASSEMBLED	225
MIS300	3" FULL PORT MANIFOLD INDUCTOR SYSTEM FLANGE X FLANGE ASSEMBLED	150

MANIFOLD INDUCTOR SYSTEMS				
PART NO.	DESCRIPTION	PRESSURE AT PUMP	VOLUME DRAW	OPENING SIZE
HV200	2" MPT INDUCTOR	225	49 GPM	7/16"
MHV200	2" MANIFOLD W/ 1 1/2" PORT	300	37 GOM	5/16"
MHV220A	2" FULL PORT MANIFOLD INDUCTOR	225	49 PGM	9/16"



MANIFOLD INDUCTORS		
ITEM	PART NO.	DESCRIPTION
1	FC220	220 SERIES WORM CLAMP
2	MVS220CF	2" FP FLANGE X 2" FP FLANGE
3	M220CPG6	2" X 2" FULL PORT FLANGE X 6"
4	M220YG45	2" FULL PORT 45 ° Y FLANGE W/ 3/4" GAUGE PORT
5	M220Y45	2" FULL PORT 45 ° Y FLANGE
6	M220CPG45	2" FULL PORT 45 ° COUPLING
7	PLUG075	3/4" PIPE PLUG
8	MHV220A	2" FULL PORT POLY VENTURI
N/S	M221G	2" FULL PORT EPDM MANIFOLD GASKET W/ RIB

MANIFOLD INDUCTORS		
ITEM	PART NO.	DESCRIPTION
1	FC300	300 SERIES WORM SCREW CLAMP
2	MV301CF	3" FP FLANGE X 3" FP FLANGE
3	M300CPG7	3" X 3" FULL PORT FLANGE X 7"
4	M300YG45	3" FULL PORT 45 ° Y FLANGE W/ 3/4" GAUGE PORT
5	M300Y45	3" FULL PORT 45 ° Y FLANGE
6	M300220CPG	3" X 2" FULL PORT REDUCER FLANGE
7	M300CPG45	3" FULL PORT 45 ° COUPLING
8	PLUG075	3/4" PIPE PLUG
9	MHV220A	2" FULL PORT POLY VENTURI
10	FC220	220 SERIES WORM SCREW CLAMP
N/S	M221G	2" FULL PORT EPDM MANIFOLD GASKET W/ RIB
N/S	M301G	3" EPDM MANIFOLD GASKET W/ RIB

VALVES



1/2" - 2" SINGLE UNION VALVES

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL
UV050FP	1/2" FP SINGLE UNION VALVE	300	1/2"	3/4"
UV075FP	3/4" FP SINGLE UNION VALVE	300	3/4"	3/4"
UV100FP	1" FP SINGLE UNION VALVE	300	1"	1"
UV125FP	1 1/4" FP UNION VALVE	225	1 1/4"	1 1/4"
UV150FP	1 1/2" FP SINGLE UNION VALVE	200	1 1/2"	1 1/2"
UV200FP	2" FP SINGLE UNION VALVE	300	2"	2"



UV050FP

1/2" - 3" CHECK VALVES

PART NO.	DESCRIPTION	CRACKING PRESSURE PSI	MAX PSI	PIPE SIZE
CV050	1/2" CHECK VALVE	6-7	300	1/2"
CV100	1" CHECK VALVE	1	300	1"
CV100MT	1" MALE X FEMALE NPT CHECK VALVE	1	300	1"
CV100V	1" FEMALE X FEMALE NPT CHECK VALVE	1	300	1"
CV221	2" FP CHECK VALVE	>0.5	300	2"
CV300	3" FP CHECK VALVE	1.5	300	3"
CV301	3" FP CHECK VALVE	>0.5	300	3"



CV100MT



CV050

1/4" - 3" STAINLESS STEEL FULL PORT VALVES

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	REPLACEMENT HANDLE	REPAIR KIT
VSS025	1/4" SS FP VALVE	1000	1/4"	1/4"	VSS05153	VSS02500
VSS038	3/8" SS FP VALVE	1000	3/8"	3/8"	VSS05153	VSS02500
VSS050	1/2" SS FP VALVE	1000	1/2"	1/2"	VSS05153	VSS05200
VSS075	3/4" SS FP VALVE	1000	3/4"	3/4"	VSS07153	VSS07500
VSS100	1" SS FP VALVE	1000	1"	1"	VSS10153	VSS10200
VSS150	1 1/2" SS FP VALVE	1000	1 1/2"	1 1/2"	N/A	VSS15200
VSS200	2" SS FP VALVE	1000	2"	2"	VSS20153	VSS25200
VSS300	3" SS FP VALVE	1000	3"	3"	N/A	VSS35200



VSS075

3/4" - 1" PINCH VALVE

PART NO.	DESCRIPTION	GASKET	MAX PSI	PIPE SIZE	PRESSURE DIFFERENTIAL
PV075	3/4" X 3/4" PINCH VALVE	EPDM	300	3/4"	15 TO 20 PSI
PV100	1" X 1" PINCH VALVE	EPDM	300	1"	15 TO 20 PSI
PV100-075	1" X 3/4" PINCH VALVE	EPDM	300	1" X 3/4"	15 TO 20 PSI
PV100-075V	1" X 3/4" PINCH VALVE	FKM	300	1" X 3/4"	15 TO 20 PSI
PV10265	BLADDER FOR PINCH VALVE	EPDM	N/A	N/A	N/A
PV10265V	BLADDER FOR PINCH VALVE	FKM	N/A	N/A	N/A

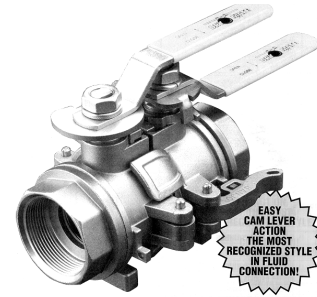


PV075

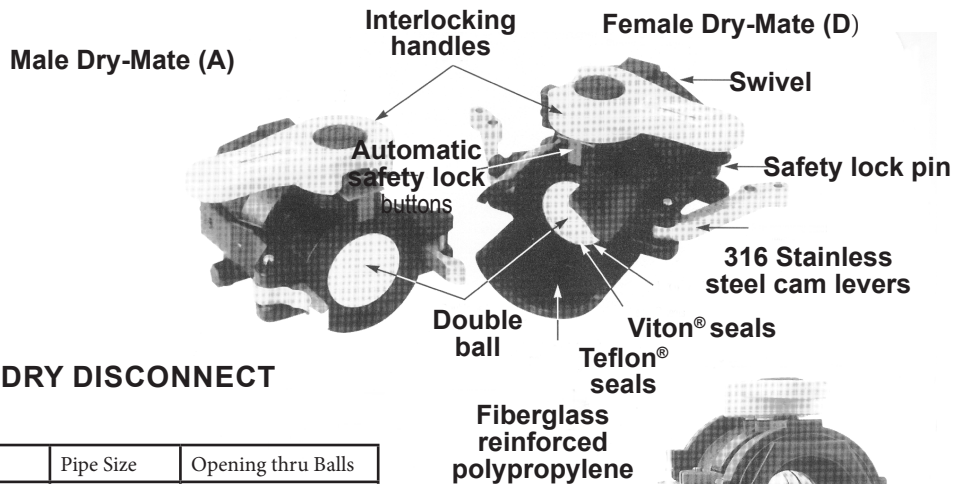
STAINLESS STEEL DRY MATE DISCONNECT

FEATURES

- ▶ Minimal leakage when disconnected
- ▶ Cannot be disconnected in open position
- ▶ Automatic closure from both directions when opened
- ▶ Safe, quick and easy to use
- ▶ Construction: 316 stainless steel
- ▶ Seal material: Viton (EPDM & Kalrez available)
- ▶ Maximum working pressure: 150 psi

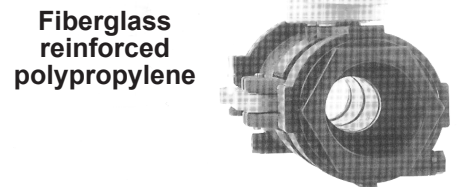


PART NO.	DESCRIPTION
DM100ASS	1" Male Dry Mate Adaptor x 1" FPT
DM100DSS	1" Female Dry Mate Coupler x 1" FPT
DM150ASS	1-1/2" Male Dry Mate Adaptor x 1-1/2" FPT
DM150DSS	1-1/2" Female Dry Mate x FPT
DM200ASS	2" Male Dry Cam Coupler x 2" FPT
DM200DSS	2" Female Dry Cam Coupler x 2" FPT



DRY-MATE POLYPROPYLENE DRY DISCONNECT

PART NO.	DESCRIPTION	Pipe Size	Opening thru Balls
DM150A	1-1/2" Male Dry-Mate	1-1/2"	1-1/2"
DM150D	1-1/2" Female Dry-Mate	1-1/2"	1-1/2"
DM200A	2" Male Dry-Mate	2"	1-1/2"
DM200D	2" Female Dry-Mate	2"	1-1/2"
DM200Cap	Cap for Male	Fits 1-1/2" & 2"	
DM200PL	Plug for Female	Fits 1-1/2" & 2"	





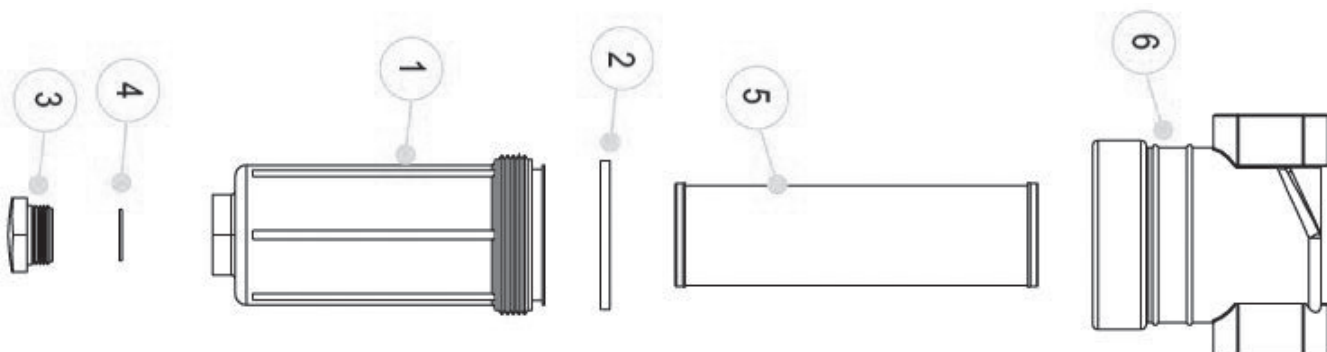
LINE STRAINERS

"T" STRAINERS		
PART NO.	DESCRIPTION	MAX PSI
LST075-16	3/4" X 3/4" FP T STRAINER W/ 16 MESH SS SCREEN	300
LST075-30	3/4" X 3/4" FP T STRAINER W/ 30 MESH SS SCREEN	300
LST075-50	3/4" X 3/4" FP T STRAINER W/ 50 MESH SS SCREEN	300
LST075-80	3/4" X 3/4" FP T STRAINER W/ 80 MESH SS SCREEN	300
LST075-100	3/4" X 3/4" FP T STRAINER W/ 100 MESH SS SCREEN	300
LST100-16	1" X 1" T STRAINER W/ 16 MESH SS SCREEN	300
LST100-30	1" X 1" T STRAINER W/ 30 MESH SS SCREEN	300
LST100-50	1" X 1" T STRAINER W/ 50 MESH SS SCREEN	300
LST100-80	1" X 1" T STRAINER W/ 80 MESH SS SCREEN	300
LST100-100	1" X 1" T STRAINER W/ 100 MESH SS SCREEN	300
LST125-16	1 1/4" X 1 1/4" FP T STRAINER W/ 16 MESH SS SCREEN	300
LST125-30	1 1/4" X 1 1/4" FP T STRAINER W/ 30 MESH SS SCREEN	300
LST125-50	1 1/4" X 1 1/4" FP T STRAINER W/ 50 MESH SS SCREEN	300
LST125-80	1 1/4" X 1 1/4" FP T STRAINER W/ 80 MESH SS SCREEN	300
LST150-30	1 1/2" X 1 1/2" FP T STRAINER W/ 30 MESH SS SCREEN	300
LST150-50	1 1/2" X 1 1/2" FP T STRAINER W/ 50 MESH SS SCREEN	300
LST150-80	1 1/2" X 1 1/2" FP T STRAINER W/ 80 MESH SS SCREEN	300
LST150-100	1 1/2" X 1 1/2" FP T STRAINER W/ 100 MESH SS SCREEN	300

REPLACEMENT PARTS		
ITEM	PART NO.	DESCRIPTION
1	LST100-B	3/4" & 1" BOWL
2	LST100-G	3/4" & 1" EPDM GASKET
2	LST100-GV	3/4" & 1" FKM GASKET
3	12777	1/2" PLUG
4	UV1563	EPDM O-RING FOR CLEAN OUT PLUG
5	LST116	16 MESH SCREEN
5	LST130	30 MESH SCREEN
5	LST150	50 MESH SCREEN
5	LST180	80 MESH SCREEN
5	LST1100	100 MESH SCREEN
6	LST075-H	3/4" STRAINER HEAD
6	LST100-H	1" STRAINER HEAD
N/S	LST075-HB	3/4" STRAINER HEAD, BOWL, & GASKET
N/S	LST100-HB	1" STRAINER HEAD, BOWL, & GASKET
1	LST150-B	1 1/4" & 1 1/2" BOWL
2	LST150-G	1 1/4" & 1 1/2" EPDM GASKET
2	LST150-GV	1 1/4" & 1 1/2" FKM GASKET
3	LSQ200-PL	1" CLEAN OUT PLUG
4	LSQ200-R	EPDM O-RING FOR CLEAN OUT PLUG
5	LST1516	16 MESH SCREEN
5	LST1530	30 MESH SCREEN
5	LST1550	50 MESH SCREEN
5	LST1580	80 MESH SCREEN
5	LST15100	100 MESH SCREEN
6	N/A	1 1/4" STRAINER HEAD
N/A	LST125-HB	1 1/4" STRAINER HEAD, BOWL, & GASKET
N/A	LST150-HB	1 1/2" STRAINER HEAD, BOWL, & GASKET



SCREENS	
MESH SIZE	RIB COLOR
16 MESH	BROWN RED
30 MESH	FLAME RED
50 MESH	GENTIAN BLUE
80 MESH	YELLOW
100 MESH	TRAFFIC GREEN



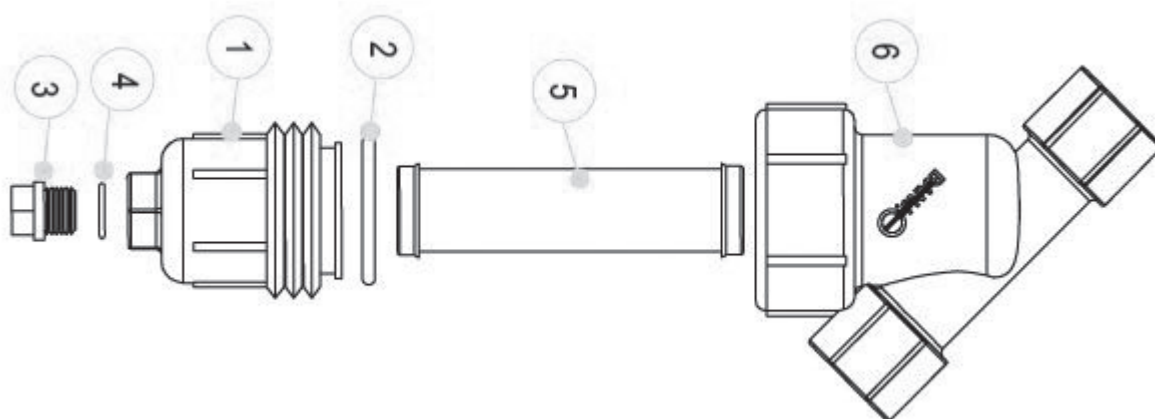
“Y” STRAINERS(1/2” - 1 1/4”)

“Y” STRAINERS		
PART NO.	DESCRIPTION	MAX PSI
LS050-20	1/2” X 1/2” FP Y STRAINER W/20 MESH SS SCREEN	225
LS050-40	1/2” X 1/2” FP Y STRAINER W/40 MESH SS SCREEN	225
LS050-80	1/2” X 1/2” FP Y STRAINER W/80 MESH SS SCREEN	225
LS075-20	3/4” X 3/4” FP Y STRAINER W/20 MESH SS SCREEN	225
LS075-40	3/4” X 3/4” FP Y STRAINER W/40 MESH SS SCREEN	225
LS075-80	3/4” X 3/4” FP Y STRAINER W/80 MESH SS SCREEN	225
LS100-20	1” X 1” FP Y STRAINER W/20 MESH SS SCREEN	200
LS100-40	1” X 1” FP Y STRAINER W/40 MESH SS SCREEN	200
LS100-80	1” X 1” FP Y STRAINER W/80 MESH SS SCREEN	200
LS125-20	1 1/4” X 1 1/4” FP Y STRAINER W/20 MESH SS SCREEN	200
LS125-40	1 1/4” X 1 1/4” FP Y STRAINER W/40 MESH SS SCREEN	200
LS125-80	1 1/4” X 1 1/4” FP Y STRAINER W/80 MESH SS SCREEN	200

REPLACEMENT PARTS		
ITEM	PART NO.	DESCRIPTION
1	N/S	1/2”-3/4” END CAP
2	LS075-G	1/2”-3/4” O-RING
3	12723	1/4” DRAIN PLUS (FITS 1/2”-3/4”)
4	12724	1/2”-3/4” EPDM O-RING FOR DRAIN PLUG
5	LS720	1/2”-3/4” 20 MESH SCREEN
5	LS740	1/2”-3/4” 40 MESH SCREEN
5	LS780	1/2”-3/4” 80 MESH SCREEN
6	N/A	3/4” Y BODY
N/S	LS050B/C1	1/2” Y BODY, CAP, & GASKET
N/S	LS075B/C1	3/4” Y BODY, CAP, & GASKET
1	LS100-C1	1” - 1 1/4” END CAP
2	LS100-G	1-1 1/4” O-RING
2	LS100-GV	1”-1 1/4” FKM GASKET
3	12777	1/2” PLUG (FITS 1”-1 1/4”)
4	UV15163	EPDM O-RING FOR DRAIN PLUG
4	UV15163	FKM O-RING FOR DRAIN PLUG
5	LS120	1”-1 1/4” 20 MESH SCREEN
5	LS140	1” - 1 1/4” 40 MESH SCREEN
5	LS180	1” - 1 1/4” 80 MESH SCREEN
6	N/A	1” Y BODY
6	N/A	1 1/4” Y BODY
N/S	LS100B/C1	1” Y BODY, CAP, & GASKET
N/S	LS125B/C1	1 1/4” Y BODY, CAP, & GASKET



SCREENS	
MESH SIZE	RIB COLOR
6 MESH	WHITE
12 MESH	BLACK
20 MESH	BEIGE
30 MESH	FLAME RED
40 MESH	BROWN
50 MESH	GENTIAN BLUE
60 MESH	GENTIAN BLUE
80 MESH	ZINC YELLOW
100 MESH	TRAFFIC GREEN
120 MESH	BLACK



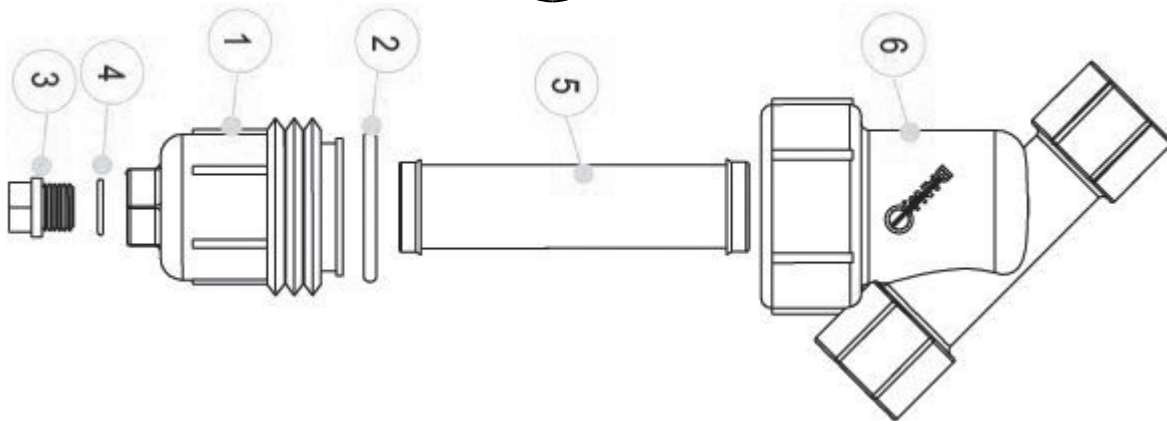
"Y" STRAINERS (1 1/2" - 2")

"Y" STRAINERS		
PART NO.	DESCRIPTION	MAX PSI
LS150-06	1 1/2" X 1 1/2" Y STRAINER W/6 MESH SS SCREEN	150
LS150-12	1 1/2" X 1 1/2" Y STRAINER W/12 MESH SS SCREEN	150
LS150-30	1 1/2" X 1 1/2" Y STRAINER W/30 MESH SS SCREEN	150
LS150-50	1 1/2" X 1 1/2" Y STRAINER W/50 MESH SS SCREEN	150
LS150-80	1 1/2" X 1 1/2" Y STRAINER W/80 MESH SS SCREEN	150
LS150-120	1 1/2" X 1 1/2" Y STRAINER W/120 MESH SS SCREEN	150
LS200-06	2" X 2" Y STRAINER W/6 MESH POLY RIBBED SS SCREEN	150
LS200-12	2" X 2" Y STRAINER W/12 MESH POLY RIBBED SS SCREEN	150
LS200-20	2" X 2" Y STRAINER W/20 MESH POLY RIBBED SS SCREEN	150
LS200-30	2" X 2" Y STRAINER W/30 MESH POLY RIBBED SS SCREEN	150
LS200-50	2" X 2" Y STRAINER W/50 MESH POLY RIBBED SS SCREEN	150
LS200-80	2" X 2" Y STRAINER W/80 MESH POLY RIBBED SS SCREEN	150
LS200-100	2" X 2" Y STRAINER W/100 MESH POLY RIBBED SS SCREEN	150
LS200-120	2" X 2" Y STRAINER W/120 MESH POLY RIBBED SS SCREEN	150

REPLACEMENT PARTS		
ITEM	PART NO.	DESCRIPTION
1	LS150-C	1 1/2" - 2" END CAP
2	LS150-G	1 1/2" - 2" O-RING
2	LS150-GV	1 1/2" - 2" FKM GASKET
3	LSQ200-PL	1" DRAIN PLUG
4	LSQ200-RV	1 1/2" - 2" FKM O-RING FOR DRAIN PLUG
5	LS206	1 1/2"-2" 6 MESH SCREEN
5	LS212	1 1/2"-2" 12 MESH SCREEN
5	LS220	1 1/2"-2" 20 MESH SCREEN
5	LS230	1 1/2"-2" 30 MESH SCREEN
5	LS250	1 1/2"-2" 50 MESH SCREEN
5	LS280	1 1/2"-2" 80 MESH SCREEN
5	LS2100	1 1/2"-2" 100 MESH SCREEN
5	LS2120	1 1/2"-2" 120 MESH SCREEN
5	LS250P	1 1/2" - 2" 50 MESH ALL POLY SCREEN
6	N/A	1 1/2" Y BODY
6	N/A	2" Y BODY
N/S	LS150B/C	1 1/2" Y BODY, CAP, & GASKET
N/S	LS200B/C	2" Y BODY, CAP, & GASKET



SCREENS	
MESH SIZE	RIB COLOR
6 MESH	WHITE
12 MESH	BLACK
20 MESH	BEIGE
30 MESH	FLAME RED
40 MESH	BROWN
50 MESH	GENTIAN BLUE
60 MESH	GENTIAN BLUE
80 MESH	ZINC YELLOW
100 MESH	TRAFFIC GREEN
120 MESH	BLACK



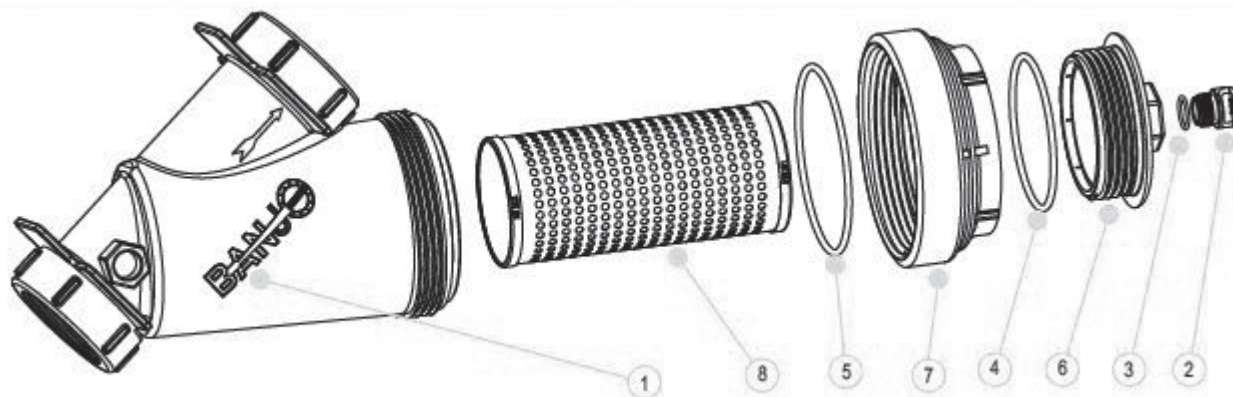
“Y” STRAINERS (3”)

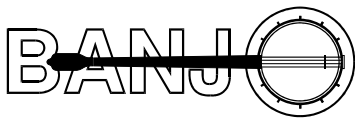
“Y” STRAINERS		
PART NO.	DESCRIPTION	MAX PSI
LSM300-04	3” X 3” Y STRAINER W/ 4 MESH SCREEN	75
LSM300-08	3” X 3” Y STRAINER W/ 8 MESH SCREEN	75
LSM300-12	3” X 3” Y STRAINER W/ 12 MESH SCREEN	75
LSM300-20	3” X 3” Y STRAINER W/ 20 MESH SCREEN	75
LSM300-50	3” X 3” Y STRAINER W/ 50 MESH SCREEN	75

REPLACEMENT PARTS		
ITEM	PART NO.	DESCRIPTION
1	MLS300B1	3” BODY
2	13777	3/4” PLUG
3	13778	O-RING
4	MLS300ECG	EPDM END CAP GASKET
4	MLS300EGV	FKM CAP GASKET
5	MLS300G	EPDM CAP GASKET
6	LS300EC	END CAP ONLY
7	MLS300CAP	3” CAP
8	LS304	4 MESH SCREEN
8	LS308	8 MESH SCREEN
8	LS312	12 MESH SCREEN
8	LS320	20 MESH SCREEN
8	LS350	50 MESH SCREEN



► 304 STAINLESS STEEL SCREENS





MANIFOLD LINE STRAINERS



3" MAINFOLD LINE "Y" STRAINERS		
PART NO.	DESCRIPTION	MAX PSI
MLS300-04	3" MANIFOLD LINE STRAINER WITH 4 MESH SCREEN	75
MLS300-06	3" MANIFOLD LINE STRAINER WITH 6 MESH SCREEN	75
MLS300-08	3" MANIFOLD LINE STRAINER WITH 8 MESH SCREEN	75
MLS300-12	3" MANIFOLD LINE STRAINER WITH 12 MESH SCREEN	75
MLS300-20	3" MANIFOLD LINE SCREEN WITH 20 MESH SCREEN	75
MLS300-50	3" MANIFOLD LINE SCREEN WITH 50 MESH SCREEN	75

2" MANIFOLD "Y" STRAINER		
PART NO.	DESCRIPTION	MAX PSI
MLS200BC	2" STD. PORT FLANGED "Y" STRAINER BODY & CAP	150
MLS200-06	2" STD. PORT FLANGED "Y" STRAINER WITH 6 MESH SCREEN	150
MLS200-12	2" STD. PORT FLANGED "Y" STRAINER WITH 6 MESH SCREEN	150
MLS200-20	2" STD. PORT FLANGED "Y" STRAINER WITH 6 MESH SCREEN	150
MLS200-30	2" STD. PORT FLANGED "Y" STRAINER WITH 6 MESH SCREEN	150
MLS200-50	2" STD. PORT FLANGED "Y" STRAINER WITH 6 MESH SCREEN	150
MLS200-80	2" STD. PORT FLANGED "Y" STRAINER WITH 6 MESH SCREEN	150
MLS200-120	2" STD. PORT FLANGED "Y" STRAINER WITH 6 MESH SCREEN	150

2" MANIFOLD FULL PORT "Y" STRAINERS		
PART NO.	DESCRIPTION	MAX PSI
MLS220BC	2" FP FLANGED BODY AND CAP	150
MLS222-04	2" FP FLANGED "Y" STRAINER WITH 4 MESH SCREEN	150
MLS222-08	2" FP FLANGED "Y" STRAINER WITH 8 MESH SCREEN	150
MLS222-10	2" FP FLANGED "Y" STRAINER WITH 10 MESH SCREEN	150
MLS222-16	2" FP FLANGED "Y" STRAINER WITH 16 MESH SCREEN	150
MLS222-30	2" FP FLANGED "Y" STRAINER WITH 30 MESH SCREEN	150
MLS222-50	2" FP FLANGED "Y" STRAINER WITH 50 MESH SCREEN	150
MLS222-80	2" FP FLANGED "Y" STRAINER WITH 80 MESH SCREEN	150
MLS222-100	2" FP FLANGED "Y" STRAINER WITH 100 MESH SCREEN	150

1" & 2" STANDARD PORT MANIFOLD "T" STRAINERS		
PART NO.	DESCRIPTION	MAX PSI
MLST100-16	1" FLANGED "T" STRAINER - 16 MESH SCREEN	150
MLST100-30	1" FLANGED "T" STRAINER - 30 MESH SCREEN	150
MLST100-50	1" FLANGED "T" STRAINER - 50 MESH SCREEN	150
MLST100-80	1" FLANGED "T" STRAINER - 80 MESH SCREEN	150
MLST100-100	1" FLANGED "T" STRAINER - 100 MESH SCREEN	150
MLST150-16	2" SRANDARD PORT "T" STRAINER - 16 MESH SCREEN	150
MLST150-30	2" SRANDARD PORT "T" STRAINER - 30 MESH SCREEN	150
MLST150-50	2" SRANDARD PORT "T" STRAINER - 50 MESH SCREEN	150
MLST150-80	2" SRANDARD PORT "T" STRAINER - 80 MESH SCREEN	150
MLST150-100	2" SRANDARD PORT "T" STRAINER - 100 MESH SCREEN	150



METERS

BANJO FLOW METERS

FEATURES

- ▶ Displays overall total volume and batch total volume
- ▶ Flow rate allows for gallons or liters per minute
- ▶ Display reads 6 digits for rate, 8 for total
- ▶ Magnetic style meter with stainless steel electrodes
- ▶ Self calibrating meter
- ▶ Measures water and most conductive liquids
- ▶ Easy to change six AA batteries



FM100



MFM220



MFM220 Face



MFM300

FM100
flow meter

MFM100

MFM220

MFM300

1" full port female NPT

1" full port manifold flow meter

2" full port manifold flow meter

3" full port manifold flow meter

POLYPROPYLENE HOSE BARBS



STRAIGHT HOSE BARBS		
PART NO.	DESCRIPTION	MAX PSI
HB025	1/4" MALE THREAD X 1/4" HOSE BARB	300
HB025-038	1/4" MALE THREAD X 3/8" HOSE BARB	300
HB025-050	1/4" MALE THREAD X 1/2" HOSE BARB	300
HB038	3/8" MALE THREAD X 3/8" HOSE BARB	300
HB038-025	3/8" MALE THREAD X 1/4" HOSE BARB	300
HB038-050	3/8" MALE THREAD X 1/2" HOSE BARB	300
HB050-025	1/2" MALE THREAD X 1/4" HOSE BARB	300
HB050-038	1/2" MALE THREAD X 3/8" HOSE BARB	300
HB050	1/2" MALE THREAD X 1/2" HOSE BARB	300
HB050-075	1/2" MALE THREAD X 3/4" HOSE BARB	300
HB075-038	3/4" MALE THREAD X 3/8" HOSE BARB	300
HB075-050	3/4" MALE THREAD X 1/2" HOSE BARB	300
HB075-058	3/4" MALE THREAD X 5/8" HOSE BARB	300
HB075	3/4" MALE THREAD X 3/4" HOSE BARB	300
HB075-100	3/4" MALE THREAD X 1" HOSE BARB	300
HB100-075	1" MALE THREAD X 3/4" HOSE BARB	300
HB100	1" MALE THREAD X 1" HOSE BARB	300
HB100-125	1" MALE THREAD X 1 1/4" HOSE BARB	300
HB125-075	1 1/4" MALE THREAD X 3/4" HOSE BARB	300
HB125-100	1 1/4" MALE THREAD X 1" HOSE BARB	300
HB125	1 1/4" MALE THREAD X 1 1/4" HOSE BARB	300
HB125-150	1 1/4" MALE THREAD X 1 1/2" HOSE BARB	300
HB150-100	1 1/2" MALE THREAD X 1" HOSE BARB	300
HB150-125	1 1/2" MALE THREAD X 1 1/4" HOSE BARB	300
HB150	1 1/2" MALE THREAD X 1 1/2" HOSE BARB	300
HB150-200	1 1/2" MALE THREAD X 2" HOSE BARB	300
HB200-150	2" MALE THREAD X 1 1/2" HOSE BARB	300
HB200	2" MALE THREAD X 2" HOSE BARB	300
HB300	3" MALE THREAD X 3" HOSE BARB	225
HB400	4" MALE THREAD X 4" HOSE BARB	150



FEMALE HOSE BARBS		
PART NO.	DESCRIPTION	MAX PSI
HBF075	3/4" FEMALE THREAD X 3/4" HOSE BARB	300
HBF075-90	3/4" FEMALE THREAD X 3/4" 90 ° HOSE BARB	300
HBF075-100	3/4" FEMALE THREAD X 1" HOSE BARB	300
HBF100	1" FEMALE THREAD X 1" HOSE BARB	300
HBF100-90	1" FEMALE THREAD X 1" 90 ° HOSE BARB	300



90 ° HOSE BARBS		
PART NO.	DESCRIPTION	MAX PSI
HB025-90	1/4" MALE THREAD X 1/4" 90 ° HOSE BARB	300
HB025/038-90	1/4" MALE THREAD X 3/8" 90 ° HOSE BARB	300
HB025/050-90	1/4" MALE THREAD X 1/2" 90 ° HOSE BARB	300
HB038-90	3/8" MALE THREAD X 3/8" 90 ° HOSE BARB	300
HB050/038-90	1/2" MALE THREAD X 3/8" 90 ° HOSE BARB	300
HB050-90	1/2" MALE THREAD X 1/2" 90 ° HOSE BARB	300
HB050/075-90	1/2" MALE THREAD X 3/4" 90 ° HOSE BARB	300
HB075/050-90	3/4" MALE THREADS X 1/2" 90 ° HOSE BARB	300
HB075-90	3/4" MALE THREAD X 3/4" 90 ° HOSE BARB	300
HB075/100-90	3/4" MALE THREAD X 1" 90 ° HOSE BARB	300
HB100/075-90	1" MALE THREAD X 3/4" 90 ° HOSE BARB	300
HB100-90	1" MALE THREAD X 1" 90 ° HOSE BARB	300
HB100/125-90	1" MALE THREAD X 1 1/4" 90 ° HOSE BARB	300
HB125/100-90	1 1/4" MALE THREAD X 1" 90 ° HOSE BARB	300
HB125-90	1 1/4" MALE THREAD X 1 1/4" 90 ° HOSE BARB	300
HB125/150-90	1 1/4" MALE THREAD X 1 1/2" 90 ° HOSE BARB	300
HB150/125-90	1 1/2" MALE THREAD X 1 1/4" 90 ° HOSE BARB	300
HB150-90	1 1/2" MALE THREAD X 1 1/4" 90 ° HOSE BARB	300
HB200/150-90	2" MALE THREAD X 1 1/2" 90 ° HOSE BARB	300
HB200-90	2" MALE THREAD X 2" 90 ° HOSE BARB	300
HB300-90	3" MALE THREAD X 3" 90 ° HOSE BARB	225



316 STAINLESS STEEL HOSE BARBS		
PART NO.	DESCRIPTION	MAX PSI
HB025SS	1/4" MALE THREAD X 1/4" HOSE BARB	300
HB025-038SS	1/4" MALE THREAD X 3/8" HOSE BARB	300
HB025-050SS	1/4" MALE THREAD X 1/2" HOSE BARB	300
HB038SS	3/8" MALE THREAD X 3/8" HOSE BARB	300
HB038-050SS	3/8" MALE THREAD X 1/2" HOSE BARB	300
HB050SS	1/2" MALE THREAD X 1/2" HOSE BARB	300
HB050-058SS	1/2" MALE THREAD X 5/8" HOSE BARB	300
HB050-075SS	1/2" MALE THREAD X 3/4" HOSE BARB	300
HB075-050SS	3/4" MALE THREAD X 1/2" HOSE BARB	300
HB075SS	3/4" MALE THREAD X 3/4" HOSE BARB	300
HB075-100SS	3/4" MALE THREAD X 1" HOSE BARB	300
HB100-075SS	1" MALE THREAD X 3/4" HOSE BARB	300
HB100SS	1" MALE THREAD X 1" HOSE BARB	300
HB125SS	1 1/4" MALE THREAD X 1 1/4" HOSE BARB	300
HB150SS	1 1/2" MALE THREAD X 1 1/2" HOSE BARB	300
HB200SS	2" MALE THREAD X 2" HOSE BARB	300
HB300SS	3" MALE THREAD X 3" HOSE BARB	300



CAM LEVER COUPLINGS

POLYPROPYLENE CAM LEVER COUPLINGS

ITEM	DESCRIPTION	1/4"	1/2"	3/4"	1"	1 1/4"	1 1/2"X 1 1/4"	1 1/2"	2"	3"	3" 3 ARMS	4" 4 ARMS
A	MALE ADAPTOR XFEMALE THREAD	75A1/4	75A1/2	75A3/4	100A	125A	150125A	150A	200A	300A		400A
B	FEMALE COUPLER X MALE THREAD		75B1/2	75B3/4	100B	125B	150125B	150B	200B	300B	303B	400B
C	FEMALE COUPLER X HOSE BARB		050C	075C	100C	125C	150125C	150C	200C	300C	303C	400C
D	FEMALE COUPLER X FEMALE THREAD		050D	075D	100D	125D	150125D	150D	200D	300D		400D
E	MALE ADAPTOR X HOSE BARB		050E	075E	100E	125E	150125E	150E	200E	300E		400E
F	MALE ADAPTOR X MALE THREAD		050F	075F	100F	125F	150125F	150F	200F	300F		400F



A



B



C



D



E



F



PL



CAP

POLYPROPYLENE CAM LEVER COUPLINGS

ITEM	DESCRIPTION	1/2"	3/4"	1"	1 1/4"	1 1/2"X 1 1/4"	1 1/2"	2"	3"	4" 4 ARMS
PL	PLUG FOR FEMALE COUPLER	75PL	75PL	100125PL	100125PL	150PL	150PL	200PL	300PL	400PL
CAP	CAP FOR MALE ADAPTOR	075CAP	075CAP	100125CAP	100125CAP	150CAP	150CAP	200CAP	300CAP	400CAP

1 1/2" 90 ° POLY CAM LEVER COUPLINGS

PART NO.	DESCRIPTION	MAX PSI	GASKET
150A90	1 1/2" 90 ° MALE ADAPTOR X 1 1/2" FEMALE THREAD	225	N/A
150C90	1 1/2" 90 ° FEMALE COUPLER X 1 1/2" HOSE BARB	225	EPDM
150D90	1 1/2" 90 ° FEMALE COUPLER X 2" FEMALE THREAD	300	EPDM
150F90	1 1/2" 90 ° MALE ADAPTOR X 1 1/2" MALE THREAD	300	N/A



150C90



150D90



150A90

2" 90 ° SERIES POLY CAM LEVER COUPLINGS

PART NO.	DESCRIPTION	MAX PSI	GASKET
200A90	2" 90 ° MALE ADAPTOR X 2" FEMALE THREAD	225	N/A
200B90	2" 90 ° FEMALE COUPLER X 2" MALE THREAD	225	EPDM
200C90	2" 90 ° FEMALE COUPLER X 2" HOSE BARB	225	EPDM
200D90	2" 90 ° FEMALE COUPLER X 2" FEMALE THREAD	200	EPDM
200F90	2" 90 ° MALE ADAPTOR X 2" MALE THREAD	225	N/A



200F90

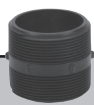


200F45

2" 45 ° POLY CAM LEVER COUPLINGS

PART NO.	DESCRIPTION	MAX PSI	GASKET
200F45	2" 45 ° MALE ADAPTOR X 2" MALE THREAD	225	N/A

PIPE FITTINGS



NIPPLES



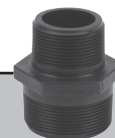
PART NO.	DESCRIPTION	MAX PSI
NIP025-SH	1/4" SHORT POLY NIPPLE	300
NIP038-SH	3/8" SHORT POLY NIPPLE	300
NIP050-SH	1/2" SHORT POLY NIPPLE	300
NIP050-3	1/2" X 3" POLY NIPPLE	300
NIP075-SH	3/4" SHORT POLY NIPPLE	300
NIP075-4	3/4" X 4" POLY NIPPLE	300
NIP075-6	3/4" X 6" POLY NIPPLE	300
NIP100-SH	1" SHORT POLY NIPPLE	300
NIP100-4	1" X 4" POLY NIPPLE	300
NIP100-6	1" X 6" POLY NIPPLE	300
NIP125-SH	1 1/4" SHORT POLY NIPPLE	300
NIP125-4	1 1/4" X 4" POLY NIPPLE	300
NIP125-6	1 1/4" X 6" POLY NIPPLE	300
NIP150-SH	1 1/2" SHORT POLY NIPPLE	300
NIP150-3	1 1/2" X 3" POLY NIPPLE	300
NIP150-4	1 1/2" X 4" POLY NIPPLE	300
NIP150-5	1 1/2" X 5" POLY NIPPLE	300
NIP150-6	1 1/2" X 6" POLY NIPPLE	300
NIP200-SH	2" SHORT POLY NIPPLE	300
NIP200-4	2" X 4" POLY NIPPLE	300
NIP200-6	2" X 6" POLY NIPPLE	300
NIP300-SH	3" SHORT POLY NIPPLE	300
NIP300-4	3" X 4" POLY NIPPLE	300
NIP300-6	3" X 6" POLY NIPPLE	300
NIP400-SH	4" SHORT POLY NIPPLE	300

PIPE CAPS



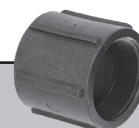
PART NO.	DESCRIPTION	MAX PSI
CAP038	3/8" POLY PIPE CAP	300
CAP050	1/2" POLY PIPE CAP	300
CAP075	3/4" POLY PIPE CAP	300
CAP100	1" POLY PIPE CAP	300
CAP125	1 1/4" POLY PIPE CAP	300
CAP150	1 1/2" POLY PIPE CAP	300
CAP200	2" POLY PIPE CAP	300
CAP300	3" POLY PIPE CAP	300

REDUCING NIPPLES



PART NO.	DESCRIPTION	MAX PSI
RN050-038	1/2" X 3/8" POLY REDUCING NIPPLE	300
RN075-050	3/4" X 1/2" POLY REDUCING NIPPLE	300
RN100-050	1" X 1/2" POLY REDUCING NIPPLE	300
RN100-075	1" X 3/4" POLY REDUCING NIPPLE	300
RN125-075	1 1/4" X 3/4" POLY REDUCING NIPPLE	300
RN125-100	1 1/4" X 1" POLY REDUCING NIPPLE	300
RN150-100	1 1/2" X 1" POLY REDUCING NIPPLE	300
RN150-125	1 1/2" X 1 1/4" POLY REDUCING NIPPLE	300
RN200-125	2" X 1 1/4" POLY REDUCING NIPPLE	300
RN200-150	2" X 1 1/2" POLY REDUCING NIPPLE	300
RN300-200	3" X 2" POLY REDUCING NIPPLE	300

PIPE COUPLINGS



PART NO.	DESCRIPTION	MAX PSI
CPLG025	1/4" POLY PIPE COUPLING	300
CPLG038	3/8" POLY PIPE COUPLING	300
CPLG050	1/2" POLY PIPE COUPLING	300
CPLG075	3/4" POLY PIPE COUPLING	300
CPLG100	1" POLY PIPE COUPLING	300
CPLG125	1 1/4" POLY PIPE COUPLING	300
CPLG150	1 1/2" POLY PIPE COUPLING	300
CPLG200	2" POLY PIPE COUPLING	300
CPLG300	3" POLY PIPE COUPLING	300

REDUCING COUPLINGS



PART NO.	DESCRIPTION	MAX PSI
RC100-075	1" X 3/4" POLY REDUCING COUPLING	300
RC150-100	1 1/2" X 1" POLY REDUCING COUPLING	300
RC150-125	1 1/2" X 1 1/4" POLY REDUCING COUPLING	300
RC200-050	2" X 1/2" POLY REDUCING COUPLING	300
RC200-100	2" X 1" POLY REDUCING COUPLING	300
RC200-125	2" X 1 1/4" POLY REDUCING COUPLING	300
RC200-150	2" X 1 1/2" POLY REDUCING COUPLING	300
RC300-200	3" X 2" POLY REDUCING COUPLING	300



MANIFOLD FITTINGS

FLANGED COUPLINGS



PART NO.	DESCRIPTION
M100CPG	1" X 1" FLANGE
M200CPG	2" X 2" STANDARD PORT FLANGE
M220CPG	2" X 2" FULL PORT FLANGE
M300CPG	3" X 3" FULL PORT FLANGE

90 ° FLANGED COUPLINGS



PART NO.	DESCRIPTION
M100CPG90	1" X 1" FLANGE 90 °
M200CPG90	2" X 2" STANDARD PORT FLANGE 90 °
M200CPG90SH	2" X 2" STD PORT FLANGE 90 ° SHORT
M220CPG90	2" X 2" FULL PORT FLANGE
M300CPG90	3" X 3" FLANGE 90 °

45 ° FLANGED COUPLINGS



PART NO.	DESCRIPTION
M100CPG45	1" FLANGE X 45 °
M200CPG45	2" FLANGE X 45 °
M220CPG45	2" FP FLANGE X 45 °
M300CPG45	3" X 3" FLANGE 45 °

FLANGED REDUCER COUPLINGS



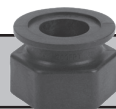
PART NO.	DESCRIPTION
M200100CPG	2" STD PORT X 1" REDUCER FLANGE
M220100CPG	2" FULL PORT X 1" REDUCER FLANGE
M220200CPG	2" FULL PORT X 2" STD PORT REDUCER FLANGE
M300200CPG	3" X 2" STD. PORT REDUCER FLANGE
M300220CPG	3" X 2" FULL PORT REDUCER FLANGE

FLANGED CROSS



PART NO.	DESCRIPTION
M100CR	1" FLANGED CROSS
M200CR	2" STD. PORT FLANGED CROSS
M220CR	2" FP FLANGED CROSS
M300CR	3" FLANGED CROSS

FLANGED X FEMALE NPT THREAD



PART NO.	DESCRIPTION
M100050FPT	1" FLANGE X 1/2" PIPE THREAD
M100075FPT	1" FLANGE X 3/4" PIPE THREAD
M100FPT	1" FLANGE X 1" PIPE THREAD
M200FPT	2" FLANGE X 2" PIPE THREAD
M220FPT	2" FP FLANGE X 2" MALE THREAD
M300FPT	3" FLANGE X 3" PIPE THREAD

FLANGE X NPT THREAD POLY



PART NO.	DESCRIPTION
M100075MPT	1" FLANGE X 3/4" MALE THREAD
M100MPT	1" FLANGE X 1" MALE THREAD
M100125MPT	1" FLANGE X 1 1/4" MALE THREAD
M200125MPT	2" SP FLANGE 1 1/4" MALE THREAD
M200150MPT	2" SP FLANGE 1 1/2" MALE THREAD
M200MPT	2" SP FLANGE 2" MALE THREAD
M220MPT	2" FP FLANGE X 2" MALE THREAD
M300MPT	3" FLANGE X 3" THREAD

FLANGE PLUGS



PART NO.	DESCRIPTION
M100PLG	1" FLANGE PLUG
M200PLG	2" STD PORT FLANGE PLUG
M220PLG	2" FULL PORT FLANGE PLUG
M300PLG	3" FLANGE PLUG
M100PLG025	1" FLANGE PLUG WITH 1/4" FPT
M200PLG018	2" SP FLANGE PLUG WITH 1/8" FPT
M200PLG025	2" SP FLANGE PLUG WITH 1/4" FPT
M200PLG038	2" SP FLANGE PLUG WITH 3/8" FPT
M200PLG050	2" SP FLANGE PLUG WITH 1/2" FPT
M200PLG075	2" SP FLANGE PLUG WITH 3/4" FPT
M200PLG100	2" SP FLANGE PLUG WITH 1" FPT
M220PLG075	2" FP FLANGE PLUG WITH 3/4" FPT
M300PLG075	3" SP FLANGE PLUG WITH 3/4" FPT
M300PLG100	3" SP FLANGE PLUG WITH 1" FPT



MANIFOLD FITTINGS

FLANGE X MALE QDC



PART NO.	DESCRIPTION
M100A	1" MANIFOLD FLANGE X 1" MALE ADAPTOR
M200A	2" MANIFOLD FLANGE X 2" MALE ADAPTOR
M220A	2" FP MANIFOLD FLANGE X 2" MALE ADAPTOR
M300A	3" FP MANIFOLD FLANGE X 3" MALE ADAPTOR

FLANGE X SOCKET WELD - 316SS



PART NO.	DESCRIPTION
M100SWFSS	1" FLANGE X 1" SW FITTING, 316SS
M200SWFSS	2" FLANGE X 2" SW FITTING, 316SS
M220SWFSS	2" FLANGE X 2" SW FITTING, 316SS
M300SWFSS	3" FLANGE X 3" SW FITTING, 316SS

U BOLTS



PART NO.	DESCRIPTION
UB100	100 SERIES MOUNTING "U" BOLT - SS
UB202	200 SERIES MOUNTING "U" BOLT - SS
UB220	220 SERIES MOUNTING "U" BOLT - SS

FLANGE CLAMPS & GASKETS



PART NO.	DESCRIPTION
FC100	100 SERIES WORM SCREW CLAMP
FC200	200 SERIES STD. PORT WORM SCREW CLAMP
FC220	220 SERIES FULL PORT WORM SCREW CLAMP
FC300	300 SERIES WPRM SCREW CLAMP
M101G	100 SERIES EPDM GASKET
M100GV	100 SERIES FKM (VITON TYPE) GASKET
M201G	200 SERIES STANDARD PORT EPDM GASKET
150GV	200 SERIES STANDARD PORT FKM(VITON TYPE) GASKET
M221G	220 SERIES FULL PORT GASKET EPDM
200GV	220 SERIES FULL POET GASKET FKM (VITON TYPE)
M301G	300 SERIES EPDM GASKET
300GV	300 SERIES FKM (VITON TYPE) GASKET

FLANGE X MALE NPT THREAD - 316 SS



PART NO.	DESCRIPTION
M100MPTSS	1" FLANGE X 1" MALE THREAD
M200125MPTSS	2" SP FLANGE X 1 1/4" MALE THREAD
M200150MPTSS	2" SP FLANGE X 1 1/2" MALE THREAD
M200MPTSS	2" SP FLANGE X 2" MALE THREAD
M220150MPTSS	2" FP FLANGE X 2" MALE THREAD
M220MPTSS	2" FP FLANGE X 2" MALE THREAD
M300MPTSS	3" FLANGE X 3" MALE THREAD

FLANGE X HOSE BARB



PART NO.	DESCRIPTION
M100075BRB	1" FLANGE X 3/4" HOSE BARB
M100BRB	1" FLANGE X 1" HOSE BARB
M100125BRB	1" FLANGE X 1 1/4" HOSE BARB
M200100BRB	2" SP FLANGE X 1" HOSE BARB
M200125BRB	2" SP FLANGE X 1 1/4" HOSE BARB
M200150BRB	2" SP FLANGE X 1 1/2" HOSE BARB
M200BRB	2" SP FLANGE X 2" HOSE BARB
M220150BRB	2" FP FLANGE X 1 1/2" HOSE BARB
M220BRB	2" FP FLANGE X 2" HOSE BARB
M300220BRB	3" FLANGE X 2" HOSE BARB
M300BRB	3" FLANGE X 3" HOSE BARB

FLANGE X HOSE BARB WITH 90 ° ELBOW



PART NO.	DESCRIPTION
M100075BRB90	1" FLANGE X 3/4" HOSE BARB 90 ° ELBOW
M100BRB90	1" FLANGE X 1" HOSE BARB 90 ° ELBOW
M100125BRB90	1" FLANGE X 1 1/4" HOSE BARB 90 ° ELBOW
M200100BRB90	2" STD. PORT FLANGE X 1" HOSE BARB 90 ° ELBOW
M200125BRB90	2" STD. PORT FLANGE X 1 1/4" HOSE BARD 90 ° ELBOW
M200150BRB90	2" STD. PORT FLANGE X 1 1/2" HOSE BARB 90 ° ELBOW
M200BRB90	2" STD. PORT FLANGE X 2" HOSE BARB 90 ° ELBOW
M220150BRB90	2" FULL PORT FLANGE X 1 1/2" HOSE BARB 90 ° ELBOW
M220BRB90	2" FULL PORT FLANGE X 2" HOSE BARB 90 ° ELBOW
M300220BRB90	3" FLANGE X 2" HOSE BARB 90 ° ELBOW
M300BRB90	3" FLANGE X 3" HOSE BARB 90 ° ELBOW



MANIFOLD SYSTEM SWEEPS



SWEEPS		
PART NO.	DESCRIPTION	MAX PSI
M100125BRBSWP90	1" FLANGED X 1 1/4" HOSE BARB SWEEP	300
M100BRBSWP90	1" FLANGED X HOSE BARB SWEEP	300
M100BRBSWPG90	1" FULL PORT FLANGED X 1" HOSE BARB SWEEP W/ 1/4" GAUGE PORT	300
M100SWP90	1" FLANGED X 1" FLANGED SWEEP	300
M100SWPG90	1" FLANGED X FLANGED SWEEP W/ 1/4" GAUGE PORT	300
M200SWP90	2" FLANGE X FLANGE SWEEP	300
M200150BRBSWP90	2" FLANGE X 1 1/2" HOSE BARB SWEEP	300
M220200SWP90	2" FULL PORT FLANGE X 2" FLANGE SWEEP	225
M220ASWP90	2" FULL PORT FLANGED X MALE ADAPTOR SWEEP	200
M220BRBSWP90	2" FULL PORT FLANGED X HOSE BARB SWEEP	225
M220MPTSWP90	2" FULL PORT FLANGE X MALE NPT THREAD SWEEP	300
M220SWP90	2" FULL PORT FLANGE X FLANGE SWEEP	225
M220SWPG90	2" FULL PORT FLANGE X FLANGE SWEEP W/ 1/4" GAUGE PORT	225
M221SWP90	2" FULL PORT MAINIFOLD 90° SWEEP	225
M300ASWP90	3" FLANGE X MALE ADAPTOR SWEEP	100
M300BRBSWP90	3" FLANGE X HOSE BARB SWEEP	225
M300BRBSWPG90	3" FLANGE X HOSE BARB SWEEP W/ 1/4" GAUGE PORT	225
M300MPTSWP90	3" FLANGE X MALE NPT THREAD SWEEP	200
M300SWP90	3" FLANGE X FLANGE SWEEP	200
M300SWPG90	3" FLANGE X FLANGE SWEEP W/ 1/4" GAUGE PORT	200
M300220SWP90	3" FULL PORT FLANGE X 2" FULL PORT FLANGE SWEEP	300

FITTINGS

Miscellaneous Fittings

TT-122PP	3/4" TEE X 1/8" GAUGE FITTING
TT-124PP	3/4" TEE X 1/4" GAUGE FITTING
TT-164PP	1" TEE X 1/4" GAUGE FITTING
GHN-12PP	3/4" GARDEN HOSE SWIVWL NUT, POLY
GHA-8PP	1/2" GARDEN HOSE BARB INSERT, POLY
GHA-12PP	3/4" GARDEN HOSE BARB INSERT, POLY
GPN-8PP	3/4" MALE GHT X 1/2" MPT NIPPLE
GPN-12PP	3/4" MALE GHT X 3/4" MPT NIPPLE

FPT X HB ELBOW

TO4-34	3/4" FPT X 3/4" HB
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HOSE BARB ELBOW

HBEL100-90	1" HB X 1" HB
TEB20-2020PP	1 1/4" HB X 1 1/4" HB
TEB20-2424PP	1 1/2" HB X 1 1/2" HB
TEB20-3232PP	2" HB X 2" HB
TTY-444	1/4" HBY FITTING
TTY-666	3/8" HBY FITTING

HOSE MEDER

TC-7044PP	1/4" HB X 1/4" HB
HM038	3/8" HB X 3/8" HB
HM050	1/2" HB X 1/2" HB
HM075	3/4" HB X 3/4" HB
HM100	1" HB X 1" HB
HM125	1 1/4" HB X 1 1/4" HB
HM150	1 1/2" HB X 1 1/2" HB
HM200	2" HB X 2" HB
HM300	3" HB X 3" HB

HOSE BARB TEE

TT-9888PP	1/2" HB X 1/2" HB X 1/2" HB
HBT050-038	1/2" HB X 1/2" HB X 3/8" HB
HBT050-075	1/2" HB X 1/2" HB X 3/4" HB
HBT075-050	3/4" HB X 3/4" HB X 1/2" HB
HBT075	3/4" HB X 3/4" HB X 3/4" HB
HBT100	1" HB X 1" HB X 1" HB
HBT100-075	1" HB X 1" HB X 3/4" HB
HBT150/100	1 1/2" HB X 1" MALE THREAD



Hose Clamps

PART NO.	FITS HOSE I.D.	HOSE I.D.
4-JM	1/4" - 5/8"	1/4" - 3/8"
6-JM	5/16" - 7/8"	3/8"
8-J	7/16" - 1"	3/8"
12-J	9/16" - 1 1/4"	3/4"
16-J	1 1/16" - 1 1/2"	1"
20-J	3/4" - 1 3/4"	1 1/4"
24-J	1" - 2"	1 1/4"
28-J	1 5/16" - 2 1/4"	1 1/2"
32-J	1 9/16" - 2 1/2"	1 1/2"
36-J	1 3/4" - 2"	2"
40-J	2 1/16" - 3"	2"
56-J	3 1/16" - 4"	3"



- ▶ All Stainless Steel Construction
- ▶ Stainless Steel Nut w/ Nylon Lock Features
- ▶ 360 Degree Sealing Surface
- ▶ Ideal for High Torque Applications
- ▶ Strong, positive connections where ordinary hose clamps fail

T-BOLT HOSE CLAMPS

PART NO.	HOSE I.D.	MIN. DIA.	MAX. DIA.
TC-162	1 1/4"	1.62"	1.87"
TC-181	1 1/4"	1.81"	2.06"
TC-193	1 1/2"	1.93"	2.18"
TC-218	1 1/2"	1.93"	2.18"
TC-231	2"	2.31"	2.62"
TC-250	2"	2.50"	2.62"
TC-287	2"	2.87"	3.18"
TC-331	3"	3.31"	3.62"
TC-343	3"	3.43"	3.75"
TC-425	4"	4.25"	4.56"
TC-438	4"	4.38"	4.76"
TC-456	4"	4.56"	4.94"

FITTINGS

POLY SWIVELS

SW100	1" MPT X 1" FPT
SW150	1 1/2" MPT X 1 1/2" FPT
SW200	2" MPT X 2" FPT

POLY SIPHON TUBES

ST-200	2" SIPHON TUBE
ST-300	3" SIPHON TUBE

ANTI VORTEX TANK FLANGES

PART NO.	DESCRIPTION	HOLE SIZE	CAT. PG.	WT.
TF100AV	1" TANK FLANGE ANTI VORTEX	2 1/4"	28	.30 LBS
TF125AV	1 1/4" TANK FLANGE ANTI VORTEX	2 1/4"	28	.70 LBS
TF150AV	1 1/2" TANK FLANGE ANTI VORTEX	3"	28	.60 LBS
TF200AV	2" TANK FLANGE ANTI VORTEX	3"	28	.60 LBS

BANJO POLY & 316 STAINLESS STEEL BULK HEAD FITTINGS

POLY PART NO.	S.S. PART NO.	SIZE	O.D	DESCRIPTION
TF050	TF050SS	1/2"	1 5/8" O.D.	BULKHEAD FITTING
TF075	TF075SS	3/4"	1 5/8" O.D.	BULKHEAD FITTING
TF100	TF100SS	1"	2 1/4" O.D.	BULKHEAD FITTING
TF125	TF125SS	1 1/4"	2 1/4" O.D.	BULKHEAD FITTING
TF150	TF150SS	1 1/2"	3" O.D.	BULKHEAD FITTING
TF200	TF200SS	2"	3" O.D.	BULKHEAD FITTING
TF220	TF220SS	2"	3 1/4" O.D.	BULKHEAD FITTING
TF300	TF300SS	3"	4 1/2" O.D.	BULKHEAD FITTING

QUICK COUPLINGS

VHC6-6F	3/8" FPT FEMALE QUICK COUPLER W/ CHECK VALVES
VHC8-8F	1/2" FPT FEMALE QUICK COUPLER W/ CHECK VALVE
PHC6-6F	3/8" FPT FEMALE QUICK COUPLER PLAIN, STEEL
PHC8-8F	1/2" FPT FEMALE QUICK COUPLER PLAIN, STEEL
PHN6-6F	3/8" MALE COUPLER NIPPLE X 3/8" FPT STEEL
PHN6-6M	3/8" MALE COUPLER NIPPLE X 3/8" MPT STEEL
PHN8-8F	1/2" MALE COUPLER NIPPLE X 1/2" FPT STEEL
PHN8-8M	1/2" MALE COUPLER NIPPLE X 1/2" MPT STEEL
BRASS AND STAINLESS STEEL AVAILABLE ON SPECIAL ORDER	

FEATURES:

- ▶ Teflon thrust bearing
- ▶ Viton o-rings
- ▶ Heavy duty reinforced polypropylene
- ▶ Hex flats
- ▶ S.S. drive stud
- ▶ 75 PSI maximum

SW100



TF150AV



TF100



PHN6-6M
PHN8-8M



PHN6-6F
PHN8-8F



QUICK COUPLER



AGRICULTURAL HOSE

GPHRZN		
SIZE	PSI	DESCRIPTION
1/4"	200	EPDM Rubber discharge hose, excellent chemical resistance
3/8"	200	
1/2"	200	
5/8"	200	
3/4"	200	
1"	200	
1 1/4"	200	
1 1/2"	200	



KAN390SD		
SIZE	PSI	DESCRIPTION
1 1/4"	100	Heavy Duty EPDM poly reinforced suction hose w/ synthetic braiding. Operates at twice the pressure of DO300
1 1/2"	100	
2"	100	



GLOATL		
SIZE	PSI	DESCRIPTION
1 1/2"	70	Lay flat PVC discharge hose for water and fertilizer
2"	65	
3"	55	

PAC310		All PVC Spray hose
SIZE	PSI	DESCRIPTION
5/8"	570	All PVC spray hose. for transfer of "Wettable Powder" or water based chemicals at a 600 psi working pressure. Not recommended for use with aromatic based hydrocarbons.
PAC320		
3/8"	600	
1/2"	600	
3/4"	600	
PAC340		
1/2"	800	
3/4"	800	



KAN300		
SIZE	PSI	DESCRIPTION
1"	50	EPDM lite-flex poly reinforced suction hose. An economical, chemical resistant hose for light AG use.
1 1/4"	50	
1 1/2"	50	
2"	50	
3"	43	
4"	40	

PAC115		
SIZE	PSI	DESCRIPTION
1"	90	Water suction, PVC, clear w/ spiral. NOT chemical resistant
1 1/4"	90	
1 1/2"	90	
2"	70	
3"	60	



NB100		
SIZE	PSI	DESCRIPTION
1/4"	250	Nylobrade reinforced vinyl tubing. Excellent on liquid fertilizer planter systems. Not for use with Anhydrous Ammonia
3/8"	200	
1/2"	200	
5/8"	200	
3/4"	150	
1"	125	
1 1/4"	100	
1 1/2"	100	

GLO913		
SIZE	PSI	DESCRIPTION
1 1/4"	125	100% EPDM Rubber suction hose, wire reinforced, chemical resistant
1 1/2"	125	
2"	125	
3"	125	
4"	125	



NEW110		
SIZE	PSI	DESCRIPTION
1/4"	65	Clear vinyl sight gauge tubing
3/8"	50	
1/2"	70	
3/4"	45	
1"	35	
1 1/4"	25	
1 1/2"	20	

Hannay Non-Corrosive Hose Reels

Hannay hose Reels in Hand Crank or 12 Volt DC Rewind. Ideal for pressure washers, lawn care, tree spraying, etc.. Spools turn on self-aligning bearings. Frames, drum and fasteners are fabricated with heavy gauge steel. Reels will handle most liquid products to temperatures of +225 ° F, and pressures to 3000 PSI. Painted enamel finish and AFLAS seals. Note: Also available with 304 stainless internals and special EPDM Seals for DEF.



Hand Crank Models: Crank is permanently attached on 1000 & 1500 series but can be removed on Model 4028-17-18.

Electric Models: Equipped with a 12-Volt DC motor with chain & sprocket drive.

Hand Cranks are not included on electric model. Standard in LT (Left Top) - Inlet & Motor on left & outlet on top left.

Swivel Repair Kits: Kits include all necessary O-Rings, seals and washers for complete swivel overhaul. High-quality replacement of original parts.

Series	FPT Inlet Ports	Outlet Ports
1000	1/2" FPT	3/8" FPT
1500	1/2" FPT	1/2" FPT
1800	1" FPT	3/4" FPT
4000	1" FPT	1" FPT

Part No.	Hose Size I.D.	Rewind	Ship Weight
1014-14-16	1/4" & 3/8"	Hand Crank	27 Lbs.
1020-14-16	1/4" & 3/8"	Hand Crank	31 Lbs.
1520-17-18	3/8" & 1/2"	Hand Crank	50 Lbs.
E1520-17-18	3/8" & 1/2"	12-Volt DC	68 Lbs.
1526-17-18	3/8" & 1/2"	Hand Crank	50 Lbs.
E1526-17-18	3/8" & 1/2"	12-Volt DC	68 Lbs.
1536-17-18	3/8" & 1/2"	Hand Crank	70 Lbs.
E1536-17-18	3/8" & 1/2"	12-Volt DC	95 Lbs.
1836-17-18	1/2" & 3/4"	Hand Crank	70 Lbs.
E1836-17-18	1/2" & 3/4"	12-Volt DC	95 Lbs.
4028-17-18	1/2", 3/4", & 1"	Hand Crank	63 Lbs.
E4028-17-18	1/2", 3/4", & 1"	12-Volt DC	81 Lbs.
E4038-17-18	3/4" * 1"	12-Volt	130 Lbs.

Hose Capacities in Feet									
Model No.	I.D. O.D.	3/8" 3/4"	1/2" 7/8"	3/4" 1 9/32"	1" 1 9/16"	Max. Dimensions			
						Long	Deep	High	
1014-14-16	-	100'	-	-	-	19"	14"	15 3/4"	
1020-14-16	-	175'	-	-	-	25"	14"	15 3/4"	
E1520-17-18	-	275'	200'	-	-	24 1/2"	19"	18"	
E1526-17-18	-	450'	325'	-	-	30 1/2"	19"	19"	
E4028-17-18	-	-	325'	135'	70'	35"	19"	19"	
E4038-17-18	-	-	200'	100'	70'	47"	19"	18 1/8"	
E1536-17-18	-	700'	475'	*200'	-	40 1/2"	19"	18 1/8"	
E1836-17-18	-	-	475'	200'	-	43 1/2"	19"	18 1/8"	
Length = Hand Crank (longest)						* 1/2" Inlet & Outlet			

Part No.	Replacement Parts
5023	1/2" Super Swivel
5033	3/4" Super Swivel
5043	1" Super Swivel
SS8KIT	1/2" Super Swivel Repair Kit
SS16KIT	1" Super Swivel Kit

Spray Non-Corrosive (SNC) Series Reels

Hannay Spray Non-Corrosive (SNC) Series reels, constructed primarily of 304 grade stainless steel, are designed specifically for lawn care, agriculture, horticulture, pest control and other spray related industries.

Competitively priced and comparable in weight to aluminum construction, the SNC series provides a significant advantage in strength and protection in corrosive environments. These reels are designed to handle a variety of applications, including water, pesticides, fertilizer mixes and deicing liquids. Available in both crank and electric-powered rewind, other options include 4-way roller guides, as well as lightweight aluminum reel stacking kits.



SNC-18
Manual Rewind Reel
(Shown with Optional Hose Guide Roller Assembly)



SNC-18
Manual Rewind Reels
(Shown with Optional Stacking Frame & Optional Rollers)

Standard Features:

To Handle Single 3/8" thru 5/8" I.D. Hose

- Lightweight, low profile reels designed for hose lengths up to 500 ft.
- Mostly 304 SST construction, including discs, axle hub and welded frame.
- Non SST components: Drum (Aluminum), swivel joint, bearings (Nickel Plated)
- Manual (Direct Crank) reels include both pin lock & 3-position camlock drag brake
- Electric rewind reels (denoted by letter "E" at the end of model) feature plated chain/sprocket drive with guard.
- Standard Inlet: 90° full flow swivel, 1/2" FNPT thread Stand Outlet: 1/2" FNPT threads
- Standard pressure rated to 3,000 PSI. Higher pressures available.

Options:

- Aluminum stackable frame (for manual rewind reels)
- Stainless steel rollers & roller mounting brackets
- Drum, swivel joint & bearings all upgraded to S.S.
- Power rewind reels: Motor available in 12 or 24 VDC, as well as 115 VAC.

		Hose Capacities in Feet			Reel Dimensions		
Model No.	I.D. O.D.	3/8" .65"	1/2" .81"	5/8" 1"	Length	Depth	Height
SNC-12	-	300'	200'	125'	25.25"	16.5"	18"
SNC-18	-	400'	300'	200'	31.25"	16.5"	18"
SNC-22	-	500'	400'	275'	35.25"	16.5"	18"
SNC-12E	-	300'	200'	125'	22.5"	19"	18"
SNC-18E	-	400'	300'	200'	28.5"	19"	18"
SNC-22E	-	500'	400'	275'	32.5"	19"	18"

Large Hose Reels Series 6000, 8000, & 9000

Larger Size Hannay Reels for 3/4" to 3" hose. Available in hand crank with pinion brake or 12 volt electric with comet brake (24 VDC, 115 VAC, Air & Hydraulic Drives available), 90° ball bearing swivel inlets include. 6000 series to 1,000 PSI & 250 °F., AFLAS seals; 8000 series to 600 PSI & 175 °F., AFLAS seals; 9000 series to 300 PSI & 225 °F., Viton seals; 6000 & 8000 series include steel inlet swivel, riser outlet & drum. 9000 series include ductile iron inlet swivel with aluminum riser outlet & drum (other materials available). 12 volt reels are supplied with switch & solenoid. Clutch/gear reduction units are included on 8000 & 9000 series (required). **Standard in "Right Top" configuration: Motor & inlet on right, top wind. Right bottom, left top & left bottom configuration are also available.**

6000 series



8000 series



Model No.	Hose Capacities in Feet						Max Dimensions				
	I.D. O.D.	3/4" 1 9/32"	1" 1 9/16"	1 1/2" 2 1 1/16"	2" 2 9/16"	3" 3 3/4"	Inlet	Outlet	Long	Deep	High
6024-30-31	-	400'	200'	-	-	-	1"	1"	28 3/4"	28 3/4"	30"
6028-33-34	-	600'	350'	-	-	-	1"	1"	32 3/4"	31 3/4"	33 3/4"
8238-39-40	-	-	-	340'	225'	-	2"	2"	38 3/4"	39"	40"
9334-45-46	-	-	-	-	200'	115'	3"	3"	36 1/4"	45"	48"

Other sizes & seals are available in each series including stainless models.
 Note: Use flexible connector between inlet pipe & inlet swivel joint (or hose).
 Hoses also available, if required.

Part No.	Hose Size I.D.	Rewind	Ship Weight
6024-30-31	3/4" & 1"	Hand	163 Lbs
E6024-30-31	3/4" & 1"	12 Volt	203 Lbs.
6028-33-34	3/4" & 1"	Hand	179 Lbs.
E6028-33-34	3/4" & 1"	12 Volt	219 Lbs.
8238-39-40	1 1/2" & 2"	Hand	420 Lbs.
E8238-39-40	1 1/2" & 2"	12 Volt	460 Lbs.
9334-45-46	2", 2 1/2", & 3"	Hand	525 Lbs.
E9334-45-46	2", 2 1/2" & 3"	12 Volt	565 Lbs.

9000 series



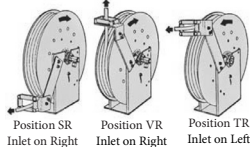


Hannay Spring Rewind Hose Reels

Spring Rewind Reels

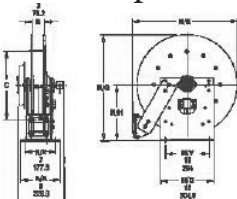
Single Hose Spring Rewind Reels: are available as standard reels (series 900) and narrow frame reels (series N500, N700 and N800). The N Series reels have the same features as their conventional counterparts, except for a narrower frame and compact mounting base. Series N500: reels handle hose through 1/4" or 3/8" I.D. with 1/4" FPT 90 Degree swivel joint. Outlet riser is 1/4" FPT. For chassis-grease-hydraulics or air/water. Series N700: reels handle hose through 1/2" I.D. Inlet is 1/2" FPT 90 Degree swivel joint. Outlet riser is 1/2" FPT. Series N800: reels handle hose from 1/2" through 1" I.D. inlet is 1" FPT 90 degree swivel joint. Outlet riser is 1" FPT. Series 900: reels handle hose from 1 1/4" through 1 1/2" I.D. inlet is 1 1/2" FPT 90 degree swivel joint. Straight swivel joint available at no extra cost and must be specified. Outlet riser is 1 1/2" FPT. Note: Other sizes and/or threads can be furnished for outlet risers when specified. All these reels handle product temperatures from -20 to +225 degrees F. Series N700 operates at 3000 PSI, Series 800 operates at 1000 PSI, and Series 900 operates at 600 PSI. Others operational temperatures / pressures can be furnished at extra cost. The standard color is silver/gray enamel. Optional Hose Stop: A hose stop should be used to prevent damage to rollers and nozzles and to permit adjustment of free hose length. HS-3 is 3" O.D. with a maximum 1 7/8" diameter hole size and HS-45 is 4 1/2" O.D. with a maximum 2 3/4" diameter hole size. Specify hose O.D. when ordering. Note: Also available with 304SS internals and special EPDM seals for DEF.

Hose Roller Positions

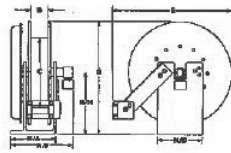


On standard spring rewind reels, the hose pays out from the bottom of the reel and to the left when reel is viewed from the swivel joint side. Hose rollers are supplied with all models and you must specify the roller position when you order. If roller position is not specified, reels will be shipped with rollers in position SR.

Hose Capacities & Reel Dimensions



Series N500



Series N700, N800, & 900



Series N500
Shown with optional Full Flow Swivel Joint

Series N500, N700, N800, 900

To Handle Single Hose Sizes 1/4" - 1 1/2" I.D.



Narrow Frame

Series N700

Shown with optional hose & stop (optional TR Position)

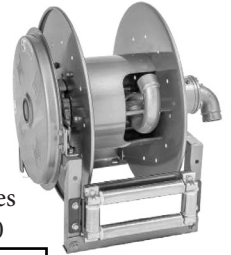


Series N800



Standard Frame

Shown with optional hose & stop



Series 900

Note: Also available in stainless steel

Series N500	
Part No.	Weight
Standard 1/4" Inlet/Outlet - 1,000 PSI	
N515-16-17C	86 Lbs.
N515-19-20J	98 Lbs.
N515-23-24J	110 Lbs.

Series N700	
Part No.	Weight
Standard 1/2" Inlet/Outlet - 3,000 PSI	
N715-23-24105	88 Lbs.
N716-16-17C	90 Lbs.
N716-19-20J	99 Lbs.
N716-23-24J	114 Lbs.
N716-25-26B	125 Lbs.
N718-25-26G	+131 Lbs.

Series N800	
Part No.	Weight
Standard 1" Inlet/Outlet - 1,000 PSI	
N816-19-20J	98 Lbs.
N816-19-20JTR	***98 Lbs.
N816-23-24J	116 Lbs.
N816-25-26B	131 Lbs.
N818-25-26BTR	*137 Lbs.
N818-25-26B	**137 Lbs.

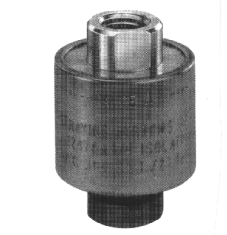
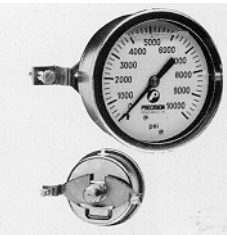
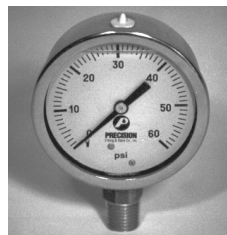
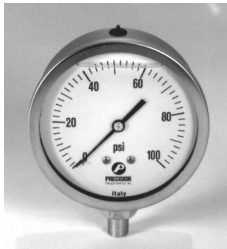
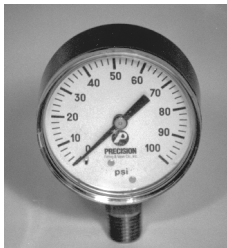
Series 900	
Part No.	Weight
Standard 1 1/2" Inlet/Outlet - 600 PSI	
920-23-24B	139 Lbs.
920-25-26A	162 Lbs.
922-30-31A	***191 Lbs.
922-30-3115.5	++191 Lbs.

* Inlet on left side & top (TR). + VR Position ++ 15.5" Drum

** Inlet Reserved - Right side & TR *** TR Position - Inlet on Left

Hose Capacity of Reel (Feet)			Model No.	Reel Dimensions (inches)													Approx. Weight		Roller Assy. Supplied on STD. Models
L.D.	1/4" 5/8"	3/8" 3/4"	HN	N/A	B	C	D	N/D	E	N/E	F	N/F	G	N/G	H	N/H	Net	Ship	
I.D. O.D.	35	35	N515-16-17C	-	-	10.5	-	-	-	18.5	-	-	-	17	-	9.12	51	86	N203
	50	50	N515-19-20J	-	-	10.5	-	-	-	20.75	-	-	-	20	-	10.62	63	98	N203
	75	75	N515-23-24J	-	-	10.5	-	-	-	23.75	-	-	-	24	-	12.62	75	110	N203
I.D. O.D.	3/8" 3/4"	1/2" 7/8"																	
	35	35	N715-23-24105	10	3	10.5	17.5	12	18.62	17.5	12.5	11.75	17.75	17	9.88	9.12	53	88	N204
	35	35	N716-16-17C	10	3	10.5	17.5	12	18.62	18.5	12.5	11.75	17.75	17	9.88	9.12	55	90	N204
	50	50	N16-19-20J	10	4	10.5	18	12	19.5	20.75	13.5	11.75	19.75	20	10.38	10.62	64	99	N204
	65	65	N16-23-24J	10	4	15.5	23.25	12	24.38	23.75	13.5	11.75	23.88	24	12.5	12.62	79	114	N204
	75	75	N716-25-26B	10	4	15.5	25	12	26.12	25.25	13.5	11.75	25.88	26	13.5	13.62	90	125	N204
	100	100	N718-25-26G	12	6	15.5	25	12	26.12	25.25	15.5	13.75	25.88	26	13.5	13.62	96	131	N206
I.D. O.D.	3/4" 1 9/32"	1" 1 9/16"																	
	25	15	N816-19-20J	10	4	10.5	18	12	19.5	20.75	14.75	13.25	19.75	20	10.38	10.62	63	98	N204
	50	25	N816-23-24J	10	4	10.5	23.25	12	24.38	23.75	14.75	13.25	23.88	24	12.5	12.62	81	116	N204
	60	35	N816-25-26B	10	4	10.5	25	12	26.12	25.25	14.75	13.25	25.88	26	13.5	13.62	96	131	N204
	70	50	N818-25-26B	12	6	10.5	25	12	26.12	25.25	16.75	15.25	25.88	26	13.5	13.62	102	137	N206
I.D. O.D.	1 1/4" 1 13/16"	1 1/2" 2 1/16"																	
	40	25	922-23-24B	-	10	10.5	23.25	-	24.5	-	24	-	23.88	-	13.5	-	104	139	R310
	50	40	920-25-26A	-	8	10.5	25	-	26.25	-	22.75	-	25.88	-	13.5	-	127	162	R308
	75	50	922-30-31A	-	10	10.5	28.5	-	29.75	-	24.75	-	31.38	-	17	-	156	191	R310
	75	50	922-30-3115.5	-	10	15.5	28.5	-	29.75	-	24.75	-	31.38	-	17	-	156	191	R310

GAUGES



2 1/2" STANDARD GAUGE W/ 1/4" BRASS STEM	
PART NO.	PSI RANGE
SG60	0-60
SG100	0-100
SG160	0-160

4" LIQUID FILLED STAINLESS STEEL GAUGE W/ 1/4" BRASS STEM	
PART NO.	PSI RANGE
GG60	0-60
GG100	0-100
GG160	0-160
GG200	0-200
GG400	0-400
GG600	0-600
GG1000	0-1000

2 1/2" LIQUID FILLED STAINLESS STEEL GAUGE	
PART NO.	PSI RANGE
WGGSS60	0-60
WGGSS100	0-100
WGGSS160	0-160

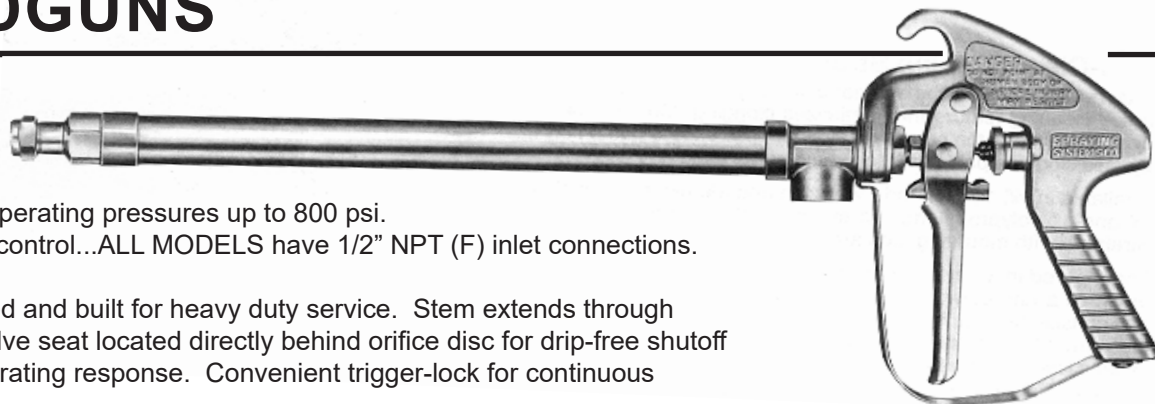
2 1/2" LIQUID FILLED GAUGE WITH STAINLESS CASE & BLACK STEM W/ MOUNTING CLAMP	
PART NO.	PSI RANGE
WGG60C	0-60
WGG100C	0-100
WGG160C	0-160

2 1/2" AMMONIA GAUGE	
PART NO.	PSI RANGE
ASG60	0-60
ASG160	0-160
ASG400	0-400

1/4" SPRAYING SYSTEMS GAUGE ISOLATION KIT

23800A-1/4

HANDGUNS



No. 43H for operating pressures up to 800 psi.
Trigger handle control...ALL MODELS have 1/2" NPT (F) inlet connections.

Quality designed and built for heavy duty service. Stem extends through extension to valve seat located directly behind orifice disc for drip-free shutoff and instant operating response. Convenient trigger-lock for continuous spraying.

AA43H-AL6



GunJet No. AA143-AL-3/4-6 6 NPT(F) inlet

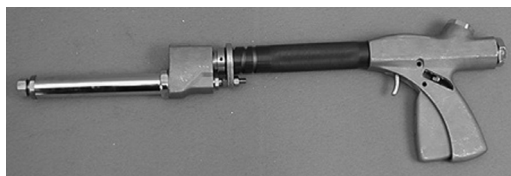


AR GUN AGSG-TURBINE 4.0

- ▶ Designed for spraying tall trees and other applications which require maximum throw of spray.
- ▶ 0 g/m Tip available
- ▶ Maximum operating pressure of 1200 psi
- ▶ Adjustable spray pattern
- ▶ Adjustment can be made while spray gun is in operation.



22670-PP TriggerJet Spray Gun w/ 15" wand
22670-PP24 w/ 24" wand
JBS-785 Bean High Volume Tree Gun
48 g/m max - 800 PSI



JD9-C T Green Garde High Pressure Spraygun

- ▶ Adjust from fine fog to pencil stream
- ▶ Drip-free shutoff
- ▶ Trigger lock for continuous spray
- ▶ Tapped for pressure gauge

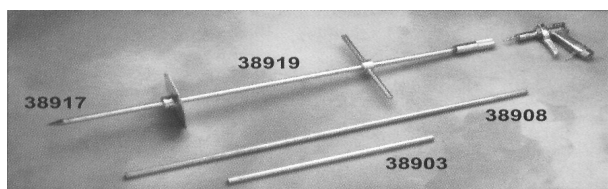
JD9-38636 Baseball Nozzle
JD9-38602 NozzleTip Std. 3-8gpm
JD9-38603 NozzleTip XLarge 10-19gpm
JD9-C-TKit Repair kit w/Teflon seat for JD9 gun

39919 - Green Garde Surface Feeder w/ Guard

JD9 Gun Not Included



38919- Green Garde Root Feeder
JD9 Gun not included



Broadcast & Fertilizer Spray Tip Selection Guide					
Spray Tip & Droplet Size	Fertilizer 		Drift Control 	PWM Approved 	Liquid Fertilizer Application Just as in applying crop protection product, the proper application of liquid fertilizer is important. Delivering nutrients to the crop in a timely and Effective manner while minimizing crop damage is essential. TeeJet Technologies offer an Extensive selection of spray tips specifically designed to maximize the performance of your liquid fertilizer application. Solid stream nozzles, offered in both single and multiple-stream versions, are designed to deliver fertilizer to the soil surface where it can be Effectively utilized by the crop. By creating solid liquid streams, these tips greatly reduce foliar Coverage in standing crop in order to minimize leaf burn. TeeJet Technologies StreamJet tips provide the ideal blend of compact, reliable design, ease of Installation and affordable pricing. In some cases, the use of a broadcast nozzle for fertilizer application may be desirable. This could include combined fertilizer/pesticide applications, foliar feeding or broadcast liquid fertilization of bare ground. For these applications TeeJet Technologies offers a wide variety of low drift, flat spray tips.
	Broadcast 	Directed 			
 AccuPulse TeeJet APTJ Pg. 110	Excellent		Excellent	✓	
 Turbo TeeJet TT Pg. 111	Excellent		Good	✓	
 Aixr TeeJet AIXR Pg. 112			Very Good		
 Air Induction TeeJet AI & AIC Pg. 113-114	Very Good		Excellent		
 Turbo TeeJet - Induction TTI Pg. 115	Excellent		Excellent	✓	
 TTI TwinJet TTI60 Pg. 116	Excellent		Excellent	✓	
 XR, XRC TeeJet XR & XRC Pg. 117-118			Good	✓	
 Turbo TwinJet TTJ60 Pg. 121			Very Good	✓	
 AI Turbo TwinJet AITJ60 Pg. 122			Excellent	✓	Liquid Density Conversion When selecting a specific capacity tip for liquid Fertilizer application, always correct for liquid density. Application charts shown in this catalog are based on spraying water. Many fertilizer solutions are denser than water, which will affect the Application rate. Example: Desired application rate is 20 GPA of 28% Nitrogen. Determine the correct nozzle size as follows. GPA (liquid other than water) x Conversion factor = GPA* 20 GPA (28%) x 1.13 = 22.6 GPA (water) The applicator should choose a tip size that will Supply 22.6 GPA of water at the desired pressure
 AI3070 Pg. 123			Very Good		
 StreamJet SJ3 & SJ3-VR Pg. 155-156	Excellent		Excellent		
 StreamJet SJ7A & SJ7A-VR Pg. 157-158	Excellent		Excellent		
 StreamJet PTC-VR & QJ-VR Pg. 159		Excellent	Excellent		
 StreamJet Solid Stream Pg. 162		Excellent	Excellent		

Broadcast & Fertilizer Spray Tip Selection Guide							
Spray Tip & Droplet Size	Herbicides 			Fungicides 		Insecticides 	
	Soil Applied 	Post Emergence		Contact	Systemic	Contact	Systemic
		Contact 	Systemic 				
 AccuPulse TeeJet APTJ Pg. 110	Excellent		Excellent				
 Turbo TeeJet TT Pg. 111		Excellent	Very Good	Excellent	Very Good	Excellent	Very Good
 Aixr TeeJet AIXR Pg. 112	Very Good	Excellent	Very Good	Good	Very Good	Very Good	Excellent
 Air Induction TeeJet AI & AIC Pg. 113-114	Very Good		Excellent		Good		Very Good
 Turbo TeeJet - Induction TTI Pg. 115	Excellent		Excellent				
 TTI TwinJet TTI60 Pg. 116	Excellent		Excellent				
 TeeJet XR & XRC Pg. 117-118		Very Good	Good	Excellent	Good	Excellent	Good
 Turbo TwinJet TTJ60 Pg. 121	Good	Excellent	Very Good	Excellent	Very Good	Excellent	Very Good
 AI Turbo TwinJet AITTJ60 Pg. 122	Very Good	Very Good	Excellent	Good	Excellent	Good	Excellent
 AI3070 Pg. 123				Excellent	Very Good		
 StreamJet SJ3 & SJ3-VR Pg. 155-156							
 StreamJet SJ7A & SJ7A-VR Pg. 157-158							
 StreamJet PTC-VR & QJ-VR Pg. 159							
 StreamJet Solid Stream Pg. 162							

Broadcast & Fertilizer Spray Tip Selection Guide								
		Herbicides 			Fungicides 		Insecticides 	
		Soil Applied 	Post Emergence		Contact 	Systemic 	Contact 	Systemic 
			Contact 	Systemic 				
Banding	 XE TeeJet	Excellent		Excellent		Good		Good
	 AI TeeJet	Very Good		Excellent		Good		Very Good
	 TeeJet	Excellent	Very Good	Good	Excellent	Good	Excellent	Good
	 TwinJet		Very Good				Very Good	
Directed Spraying	 AI TeeJet	Very Good		Excellent		Excellent		Excellent
	 TeeJet	Excellent	Very Good	Good	Excellent	Good	Excellent	Good
	 TwinJet		Very Good		Very Good		Very Good	
	 AIUB TeeJet		Good	Excellent				Good
	 ConeJet				Excellent	Very Good	Excellent	Good
Air Blast	 TXR ConeJet				Excellent	Good	Excellent	Good
	 AITX ConeJet		Good	Excellent	Very Good	Excellent	Very Good	Excellent
	 Disc-Core				Excellent	Good	Excellent	Good

Twin Flat Spray - TwinJet

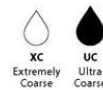
Typical Applications



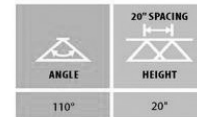
SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



Features:

- Specifically designed for use on sprayers equipped with pulse width modulation (PWM) spray tip control.
- Can also be used for non-PWM applications, where maximum drift control is desired.
- Non-air induction Twin spray tip, that produces highly drift-resistant droplets (XC & UC)
- Patent-pending recirculating design and concave exit orifice geometry provide optimal spray performance.
- Twin spray pattern allows for improved coverage and canopy penetration.
- Compact design fits into tight boom spaces and is less likely to be damaged during field use.
- Available in ten VisiFlo Polymer (VP) capacities.
- Optimal for burn down, pre-emerge, and post-emerge systemic applications
- Automatic spray alignment with Quick TeeJet cap and gasket 114441A*-CLER (01-08) or 114502A*-CLER (10-12).

How to Order:

Polymer with VisiFlo color-coding

A P T J - 1 1 0 0 4 V P
Tip Type Spray Angle Capacity Size Material Code

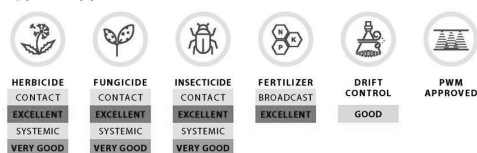
Polymer with VisiFlo color-coding, includes Quick TeeJet cap & gasket

A P T J - 1 1 0 0 4 V P - C E
Tip Type Spray Angle Capacity Size Material Code Cap & Gasket Included

TIP PART NO. (STRAINER MESH SIZE)		DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING																TURF APPLICATION			
					GALLONS PER ACRE (GPA)																GALLONS PER 1000 SQ. FT.			
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH							
APTJ- 11001VP (100)	20	UC	0.115	15	8.5	6.8	5.7	4.3	3.4	2.8	2.4	2.1	1.7	0.39	0.26	0.20	0.16							
	30	UC	0.134	17	9.9	8.0	6.6	5.0	4.0	3.3	2.8	2.5	2.0	0.46	0.30	0.23	0.18							
	40	UC	0.150	19	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.2	0.51	0.34	0.26	0.20							
	50	UC	0.163	21	12.1	9.7	8.1	6.1	4.8	4.0	3.5	3.0	2.4	0.55	0.37	0.28	0.22							
	60	XC	0.175	22	13.0	10.4	8.7	6.5	5.2	4.3	3.7	3.2	2.6	0.60	0.40	0.30	0.24							
APTJ- 11002VP (100)	20	XC	0.185	24	13.7	11.0	9.2	6.9	5.5	4.6	3.9	3.4	2.7	0.63	0.42	0.31	0.25							
	30	XC	0.195	25	14.5	11.6	9.7	7.2	5.8	4.8	4.1	3.6	2.9	0.66	0.44	0.33	0.27							
	40	XC	0.204	26	15.1	12.1	10.1	7.6	6.1	5.0	4.3	3.8	3.0	0.7	0.46	0.35	0.28							
	50	XC	0.212	27	15.7	12.6	10.5	7.9	6.3	5.2	4.5	3.9	3.1	0.73	0.48	0.36	0.3							
	60	XC	0.215	19	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.2	0.51	0.34	0.26	0.20							
APTJ- 11003VP (100)	20	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.8	3.3	2.7	0.61	0.41	0.31	0.24							
	30	XC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.0	0.68	0.45	0.34	0.27							
	40	XC	0.21	28	16.3	13.1	10.9	8.6	6.5	5.4	4.7	4.1	3.3	0.75	0.50	0.37	0.3							
	50	XC	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.9	4.3	3.4	0.78	0.52	0.39	0.31							
	60	XC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.3	4.6	3.7	0.85	0.57	0.43	0.34							
APTJ- 11004VP (50)	20	XC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.5	4.8	3.9	0.88	0.59	0.44	0.35							
	30	XC	0.27	35	20.6	16.4	13.4	10.0	8.0	6.7	5.7	5.0	4.0	0.91	0.61	0.46	0.37							
	40	XC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.9	5.2	4.2	1.0	0.63	0.48	0.38							
	50	XC	0.29	37	22	17.2	14.4	10.8	8.6	7.2	6.2	5.4	4.3	1.0	0.66	0.49	0.39							
	60	XC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.6	5.8	4.6	1.1	0.70	0.53	0.42							
APTJ- 11005VP (50)	20	XC	0.33	42	25	19.6	16.3	12.3	9.8	7.2	6.1	5.3	4.1	1.1	0.75	0.56	0.45							
	30	XC	0.34	44	25	20	16.8	12.6	10.1	8.4	7.2	6.3	5.0	1.2	0.77	0.58	0.46							
	40	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.2	1.2	0.79	0.60	0.48							
	50	XC	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.9	4.3	3.4	0.78	0.52	0.39	0.31							
	60	XC	0.27	35	20	16.6	13.4	10.0	8.0	6.7	5.7	5.0	4.0	0.92	0.61	0.46	0.37							
APTJ- 11006VP (50)	20	XC	0.29	37	22	17.2	14.4	10.8	8.6	7.2	6.2	5.4	4.3	1.0	0.66	0.49	0.39							
	30	XC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.6	5.8	4.6	1.1	0.70	0.53	0.42							
	40	XC	0.33	42	25	19.6	16.3	12.3	9.8	7.2	6.1	5.3	4.1	1.1	0.75	0.56	0.45							
	50	XC	0.34	44	25	20	16.8	12.6	10.1	8.4	7.2	6.3	5.0	1.2	0.77	0.58	0.46							
	60	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.2	1.2	0.79	0.60	0.48							
APTJ- 11007VP (50)	20	XC	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.9	4.3	3.4	0.78	0.52	0.39	0.31							
	30	XC	0.27	35	20	16.6	13.4	10.0	8.0	6.7	5.7	5.0	4.0	0.92	0.61	0.46	0.37							
	40	XC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	4.5	1.0	0.68	0.51	0.41							
	50	XC	0.33	42	25	19.6	16.3	12.3	9.8	7.2	6.1	5.3	4.1	1.1	0.75	0.56	0.45							
	60	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.2	1.2	0.79	0.60	0.48							
APTJ- 11008VP (50)	20	XC	0.37	47	27	21	18.1	13.7	11.0	9.2	7.8	6.8	5.5	1.3	0.81	0.62	0.48							
	30	XC	0.39	50	29	23	19.3	14.5	11.6	9.7	8.3	7.2	5.8	1.3	0.88	0.66	0.53							
	40	XC	0.41	52	30	24	20	15.2	12.2	10.1	8.7	7.6	6.1	1.4	0.9	0.70	0.56							
	50	XC	0.42	54	31	25	21	15.6	12.5	10.4	8.9	7.8	6.2	1.4	1.0	0.71	0.57							
	60	XC	0.43	40	23	18.4	15.3	11.5	9.2	7.7	6.6	5.8	4.6	1.1	0.75	0.53	0.42							
APTJ- 11009VP (50)	20	XC	0.36	46	27	21	17.8	13.4	10.7	8.9	7.6	6.7	5.3	1.2	0.82	0.61	0.49							
	30	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	8.5	7.4	5.9	1.4	0.91	0.68	0.54							
	40	XC	0.43	55	32	26	21	16.0	12.8	10.6	9.1	8.0	6.4	1.5	1.0	0.73	0.58							
	50	XC	0.47	60	35	29	22	17.4	14.0	11.6	10.0	8.7	7.0	1.6	1.06	0.78	0.64							
	60	XC	0.49	63	36	29	24	18.2	14.6	12.1	10.4	9.1	7.3	1.7	1.1	0.83	0.67							
APTJ- 11010VP (50)	20	XC	0.52	67	39	31	26	19.3	15.4	12.9	11.0	9.7	7.7	1.8	1.2	0.88	0.71							
	30	XC	0.54	69	40	32	27	20	16.0	13.4	11.5	10.0	8.0	1.8	1.2	0.9	0.73							
	40	XC	0.56	72	42	34	28	21	16.6	13.9	11.9	10.4	8.3	1.9	1.3	0.9	0.76							
	50	XC	0.58	49	28	23	18.8	14.1	11.3	9.4	8.1	7.1	5.6	1.3	0.86	0.65	0.52							
	60	XC	0.45	58	33	27	22	16.7	13.4	11.1	9.5	8.4	6.7	1.5	1.02	0.77	0.61							
APTJ- 11011VP (50)	20	XC	0.50	64	37	30	25	18.6	14.9	12.4	10.6	9.3	7.4	1.7	1.1	0.85	0.68							
	30	XC	0.55	70	41	33	27	20.3	16.3	13.6	11.7	10.2	8.2	1.9	1.2	0.9	0.75							
	40	XC	0.59	76	44	35	29	22	17.5	14.6	12.5	11.0	8.8	2.0	1.3	1.0	0.80							
	50	XC	0.63	81	47	37	31	23	18.7	15.6	13.4	11.7	9.4	2.1	1.4	1.1	0.86							
	60	XC	0.66	84	49	39	33	25	19.6	16.3	14.0	12.3	9.8	2.2	1.5	1.1	0.89							
APTJ- 11012VP (50)	20	XC	0.69	88	51	41	34	26	20	17.1	14.6	12.8	10.2	2.3	1.6	1.3	0.9							
	30	XC	0.72	92	53	43	36	27	21	17.8	15.3	13.4	10.7	2.4	1.6	1.2	1.0							
	40	XC	0.45	58	33	27	22	16.7	13.4	11.1	9.5	8.4	6.7	1.5	1.02	0.77	0.61							
	50	XC	0.53	68	39	31	26	19.7	15.7	13.1	11.2	9.8	7.9	1.8	1.2	0.90	0.72							
	60	XC	0.60	77	45	36	30	22	17.8	14.9	12.7	11.1	8.9	2.0	1.4	1.0	0.82							
APTJ- 11016VP (50)	20	XC	0.66	84	49	39	33	25	19.6	16.3	14.0	12.3	9.8	2.2	1.5	1.1	0.89							
	30	XC	0.71	91	53	42	35	26	21	17.6	15.1	13.2	10.5	2.4	1.6	1.2	0.97							
	40	XC	0.76	97	56	45	38	28	24	19.8	16.1	14.1	11.3	2.6	1.7	1.3	1.0							
	50	XC	0.80	102	59	48	40	30	24	19.8	17.0	14.9	11.9	2.7	1.8	1.4	1.1							
	60	XC	0.84	108	62	50	42	31	25	21	17.8	15.6	12.5	2.9	1.9	1.5	1.2							
APTJ- 11018VP (50)	20	XC	0.88	113	65	52	44	33	26	22	18.7	16.3	13.1	3.0	2.0	1.5	1.2							
	30	XC	0.60	77	45	36	30	22	17.8	14.9	12.7	11.1	8.9	2.0	1.4	1.0	0.82							
	40	XC	0.71	91	53	42	35	26	21	17.6	15.1	13.2	10.5	2.4	1.6	1.2	0.97							
	50	XC	0.76	97	56	45	38	28	24	19.8	17.0	14.9	11.9	2.7	1.8	1.4	1.1							
	60	XC	0.80	102	59	48	40	30	24	19.8	17.0	14.9	11.9	2.7	1.8	1.4	1.1							
APTJ- 11018VP (50)	20	XC	0.88	113	65	52	44	33	26	22	18.7	16.3	13.1	3.0	2.0	1.5	1.2							
	30	XC	0.60	77	45	36	30	22	17.8	14.9	12.7	11.1	8.9	2.0	1.4	1.0	0.82							
	40	XC	0.71	91	53	42	35	26	21	17.6	15.1	13.2	10.5	2.4	1.6	1.2	0.97							
	50	XC	0.76	97	56	45	38	28	24	19.8	17.0	14.9	11.9	2.7	1.8	1.4	1.1							
	60	XC	0.80	102	59	48	40	30	24	19.8	17.0	14.9	11.9	2.7	1.8	1.4	1.1							
APTJ- 11010VP (50)	20	XC	0.88	113	65	52	44	33	26	22	18.7	16.3	13.1	3.0	2.0	1.5	1.2							
	30	XC	0.60	77	45	36	30	22	17.8	14.9	12.7	11.1	8.9	2.0	1.4	1.0	0.82							
	40	XC	0.71	91	53	42	35	26	21	17.6	15.1	13.2	10.5	2.4	1.6	1.2	0.97							
	50	XC	0.76	97	56	45	38	28	24	19.8	17.0	14.9	11.9	2.7	1.8	1.4	1.1							
	60	XC	0.80	102	59	48	40	30	24	19.8	17.0	14.9	11.9	2.7	1.8	1.4	1.1							
APTJ- 11011VP (50)	20	XC	0.88	113	65	52	44	33	26	22	18.7	16.3	13.1	3.0	2.0	1.5	1.2							
	30	XC	0.60	77	45	36	30	22	17.8	14.9	12.7	11.1	8.9	2.0	1.4	1.0	0.82							
	40	XC	0.71	91	53	42	35	26	21	17.6	15.1	13.2	10.5	2.4	1.6	1.2	0.97							
	50	XC	0.76	97	56	45																		

Turbo TeeJet - Wide Angle Flat Spray

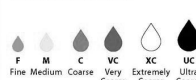
Typical Applications



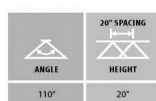
SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



Features:

- ▶ Tapered edge wide angle flat spray pattern for uniform coverage in broadcast spraying
- ▶ 15° attack angle for better canopy penetration
- ▶ Available in polymer and ceramic for more flexibility on the choice according to different pesticide formulation
- ▶ Large, rounded internal passage to minimize clogging
- ▶ Polymer material used on the TT-VP provides a good wear life and acid resistance.
- ▶ The TT-VP polypropylene body provides excellent acid resistance and the ceramic pre- and exit orifice offers improved wear life.
- ▶ Unique internal configuration means substantially longer wear life.
- ▶ Available in eleven VisiFlo Polymer (VP) and nine VisiFlo ceramic (VK) capacities.
- ▶ Automatic spray alignment with Quick TeeJet cap and gasket 114441A-*-CELR (01-08) or 114502A-*-CLER (10 and 12)

TIP PART NO. (STRAINER MESH SIZE)		PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING														TURF APPLICATION GALLONS PER 1000 SQ. FT.				
						GALLONS PER ACRE (GPA)																		
						4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH							
TT11001 (100)	15	VC	0.061	7.8	4.5	3.6	3.0	2.3	1.8	1.5	1.2	0.91	0.21	0.14	0.10	0.08								
	20	C	0.071	9.1	5.3	4.2	3.5	2.7	1.8	1.4	1.1	0.81	0.24	0.16	0.12	0.10								
	30	M	0.087	11	6.5	5.2	4.3	3.2	2.6	2.2	1.7	1.3	0.30	0.20	0.15	0.12								
	40	M	0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14								
	50	M	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15								
	60	M	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16								
TT110015 (100)	75	F	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19								
	90	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20								
	15	VC	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13								
	20	VC	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15								
	30	C	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18								
	40	M	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20								
TT11002 (50)	50	M	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23								
	60	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24								
	75	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29								
	90	F	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31								
	15	VC	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16								
	20	VC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19								
TT110025 (50)	30	C	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23								
	40	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27								
	50	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30								
	60	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33								
	75	M	0.27	35	20	16.0	13.4	10.0	8.0	6.7	5.3	4.0	0.92	0.61	0.46	0.37								
	90	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41								
TT11003 (50)	15	VC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20								
	20	VC	0.17	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24								
	30	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30								
	40	M	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34								
	50	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38								
	60	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42								
TT11004 (50)	75	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46								
	90	F	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52								
	15	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24								
	20	VC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29								
	30	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35								
	40	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41								
TT11005 (50)	50	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46								
	60	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50								
	75	M	0.41	52	30	24	20	15.2	12.2	10.1	8.1	6.1	1.4	0.93	0.70	0.56								
	90	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61								
	15	VC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33								
	20	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38								
TT11006 (50)	30	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48								
	40	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54								
	50	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61								
	60	M	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67								
	75	M	0.55	70	41	33	27	20	16.3	13.6	10.9	8.2	1.9	1.2	0.94	0.75								
	90	F	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82								
TT11008 (50)	15	VC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42								
	20	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48								
	30	C	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58								
	40	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68								
	50	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76								
	60	M	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83								
TT11010	75	M	0.68	87	50	40	34	25	20	16.8	13.5	10.1	2.3	1.5	1.2	0.92								
	90	F	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0								
	15	VC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50								
	20	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57								
	30	C	0.52	67	39	31	26	19.3	15.7	12.9	10.3	7.7	1.8	1.2	0.88	0.71								
	40	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82								
TT11012	50	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91								
	60	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99								
	75	M	0.82	105	61	49	40	30	24	20	16.2	12.2	2.8	1.8	1.4	1.1								
	90	F	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2								
	15	VC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67								
	20	VC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78								
TT11011	30	C	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94								
	40	M	0.59	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1								
	50	M	0.88	114	66	53	44	36	26	22	12.4	13.2	3.0	2.0	1.5	1.2								
	60	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3								
	75	M	1.10	141	82	65	54	41	33	27	22	16.3	3.7	2.5	1.9	1.5								
	90	F	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6								
TT11010	15	VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83								
	20	VC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97								
	30	C	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2								
	40	M	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4								
	50	C	1.12	143	83	67	55	42																

Air Induction XR Flat Spray - AIXR TeeJet

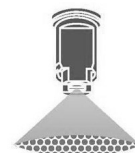
Features:

- ▶ Tapered edge flat spray angle pattern with air induction technology offers better drift management.
- ▶ Produces larger air-filled droplets through a Venturi air aspirator.
- ▶ Unique UHMWPE polymer material used on the AIXR-Up adds improved wear life and better acid resistance.
- ▶ The AIXR-VK polypropylene body provides excellent acid resistance, and the ceramic pre- and exit orifice offers improved wear life.
- ▶ Compact size to prevent tip damage
- ▶ Removable pre-orifice
- ▶ Available in nine VisiFlo Polymer (VP) and seven VisiFlo ceramic (VK) capacities
- ▶ Automatic spray alignment with Quick TeeJet cap and gasket 114441A*-CEL (015-06) or 114443A*-CEL (08-10).

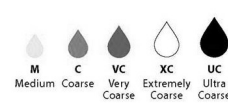
Typical Applications



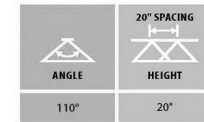
SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



How to Order:

Polymer with VisiFlo color-coding

A I X R 1 1 0 0 4 V P

Tip Type Spray Angle Capacity Size Material Code

Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket

A I X R 1 1 0 0 3 V P - C E

Tip Type Spray Angle Capacity Size Material Code Cap & Gasket Included

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING										TURF APPLICATION GALLONS PER 1000 SQ. FT.				
					GALLONS PER ACRE (GPA)														
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH			
AIXR10015 (100)	15	VC	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13			
	20	VC	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15			
	30	C	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18			
	40	C	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20			
	50	M	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23			
	60	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24			
AIXR1002 (50)	15	VC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29			
	20	VC	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31			
	30	C	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33			
	40	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35			
	50	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30			
	60	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33			
AIXR10025 (50)	15	XC	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16			
	20	VC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19			
	30	VC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23			
	40	C	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27			
	50	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30			
	60	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33			
AIXR1003 (50)	15	XC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20			
	20	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24			
	30	VC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30			
	40	C	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34			
	50	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38			
	60	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42			
AIXR1004 (50)	15	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24			
	20	VC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29			
	30	VC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35			
	40	C	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41			
	50	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46			
	60	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50			
AIXR1005 (50)	15	XC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33			
	20	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38			
	30	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48			
	40	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54			
	50	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61			
	60	M	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67			
AIXR1006 (50)	15	XC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42			
	20	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48			
	30	VC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58			
	40	VC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68			
	50	C	0.56	72	42	33	28	20	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76			
	60	C	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83			
AIXR1008 (50)	15	XC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50			
	20	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57			
	30	VC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71			
	40	VC	0.60	77	45	36	30	23	18.2	14.6	12.1	9.7	2.0	1.3	0.93	0.74			
	50	VC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91			
	60	C	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99			
AIXR1010 (50)	15	XC	0.82	105	61	49	41	30	24	20	16.2	12.2	2.8	1.9	1.4	1.1			
	20	VC	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2			
	30	VC	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4			
	40	VC	1.10	141	82	65	54	41	33	27	22	16.3	3.7	2.5	1.9	1.5			
	50	VC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6			
	60	VC	1.37	175	102	81	68	51	41	34	27	20	4.7	3.1	2.3	1.9			

Air Induction Flat Spray - AI TeeJet

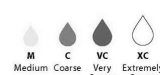
Typical Applications



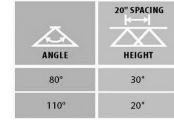
SPRAY PATTERN



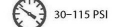
DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

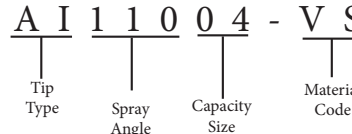


Features:

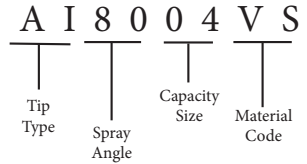
- Stainless Steel insert produces a tapered edge flat spray pattern uniform coverage in broadcast spraying.
- Air induction spray tip, producing large air-filled droplets through the use of a Venturi air aspirator more resistant to drift.
- Available in 80° or 110° spray angles with Polymer insert holder and pre-orifice with VisiFlo color-coding.
- Available in eight 110° Versions, and seven 80° versions.
- Automatic spray alignment with 114443A*-CLER Quick TeeJet cap and gasket.

How to Order:

Polymer with VisiFlo color-coding



Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket



TIP PART NO. (STRAINER MESH SIZE)		DROP SIZE		CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING													
						GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.					
		PSI	80°			110°	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH	
AI80015 AI110015 (100)	30	XC	XC	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18		
	40	XC	XC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20		
	50	VC	VC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23		
	60	VC	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24		
	70	VC	C	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27		
	80	C	C	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29		
	90	C	C	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31		
AI8002 AI11002 (50)	100	C	C	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33		
	115	C	M	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34		
	30	XC	XC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23		
	40	XC	XC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27		
	50	VC	VC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30		
	60	VC	VC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33		
	70	VC	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35		
AI80025 AI110025 (50)	80	VC	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38		
	90	C	C	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41		
	100	C	C	0.32	41	24	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.1	0.73	0.54	0.44		
	115	C	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46		
	30	XC	XC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30		
	40	XC	XC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34		
	50	VC	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38		
AI8003 AI11003 (50)	60	VC	VC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42		
	70	VC	C	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45		
	80	VC	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48		
	90	C	C	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52		
	100	C	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54		
	115	C	M	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57		
	30	XC	XC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35		
AI8004 AI11004 (50)	40	XC	XC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41		
	50	VC	VC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46		
	60	VC	VC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50		
	70	VC	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54		
	80	VC	C	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57		
	90	C	C	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61		
	100	C	C	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64		
AI8005 AI11005 (50)	115	C	M	0.51	65	38	30	25	18.9	15.1	12.6	10.1	7.6	1.7	1.2	0.87	0.69		
	30	XC	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48		
	40	XC	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54		
	50	VC	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61		
	60	VC	VC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67		
	70	VC	C	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72		
	80	VC	C	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78		
AI8006 AI11006 (50)	90	C	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82		
	100	C	C	0.63	81	47	37	31	23	18.7	15.6	12.5	9.4	2.1	1.4	1.1	0.86		
	115	C	M	0.68	87	50	40	34	25	20	16.8	13.5	10.1	2.3	1.5	1.2	0.92		
	30	XC	XC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58		
	40	XC	XC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68		
	50	VC	VC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76		
	60	VC	VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83		
AI11008 (50)	70	VC	VC	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90		
	80	VC	VC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97		
	90	C	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0		
	100	C	C	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1		
	115	C	C	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2		
	30	XC	XC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71		
	40	XC	XC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82		
AI11008 (50)	50	VC	VC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91		
	60	VC	VC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99		
	70	VC	VC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1		
	80	VC	VC	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2		
	90	VC	C	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2		
	100	VC	C	0.95	122	71	56	47	35	28	24	18.8	14.1	3.2	2.2	1.6	1.3		
	115	VC	C	1.02	131	76	61	50	38	30	25	20	15.1	3.5	2.3	1.7	1.4		
AI11008 (50)	30	XC	XC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94		
	40	XC	XC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1		
	50	VC	VC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2		
	60	VC	VC	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3		
	70	VC	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4		
	80	VC	VC	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5		
	90	VC	VC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6		
AI11008 (50)	100	C	C	1.26	161	94	75	62	47	37	31	25	18.7	4.3	2.9	2.1	1.7		
	115	C	C	1.36	174	101	81	62	50	40	34	27	20	4.6	3.1	2.3	1.8		

Air Induction Flat Spray - AIC TeeJet

Features:

- Produces a 110 ° tapered edge flat spray pattern for uniform coverage in broadcast spraying applications.
- Air induction spray tip, producing large air-filled droplets through the use of a Venturi air aspirator more resistant to drift.
- AI TeeJet nozzle molded into Quick TeeJet cap provides automatic spray alignment.
- Available with a polymer insert holder with stainless steel (015-15 capacities), ceramic (025-05 capacities) inserts or polymer (02-10 capacities) inserts.
- Includes tightly fitting gasket that stays put and assures a good seal. Replacement gasket part number: CP19438-1-EPR

Typical Applications



SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT



RECOMMENDED PRESSURE RANGE

30-115 PSI

MATERIALS AVAILABLE

- VS STAINLESS STEEL
- VP POLYMER
- VK CERAMIC

How to Order:

Stainless Steel with VisiFlo color-coding

A I C 1 1 0 0 4 - V S
 Tip Type Spray Angle Capacity Size Material Code

Ceramic with VisiFlo color-coding

A I C 1 1 0 0 3 - V K
 Tip Type Spray Angle Capacity Size Material Code

Polymer with VisiFlo color-coding

A I C 1 1 0 0 3 - V P
 Tip Type Spray Angle Capacity Size Material Code

TIP PART NO. (STRAINER MESH SIZE)		DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING															
					GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.							
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH				
AIC110015 (100)	30	XC	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18				
	40	XC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20				
	50	VC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	60	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
	70	VC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
	80	VC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29				
AIC11002 (50)	30	XC	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31				
	40	XC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
	50	VC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34				
	60	VC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
	70	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	1.0	0.63	0.48	0.38				
	80	VC	0.29	38	22	17.3	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
AIC110025 (50)	30	XC	0.32	41	24	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.1	0.73	0.54	0.44				
	40	XC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46				
	50	VC	0.36	47	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	60	VC	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52				
	70	VC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	80	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57				
AIC11003 (50)	30	XC	0.43	54	31	25	19.3	15.4	12.9	9.7	7.4	5.9	1.4	0.98	0.74	0.55				
	40	XC	0.45	57	33	26	21	16.6	13.3	11.1	8.9	7.4	1.5	1.0	0.68	0.51				
	50	VC	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64				
	60	VC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67				
	70	VC	0.51	66	38	30	25	19.0	15.1	12.6	10.1	7.7	1.8	1.2	0.86	0.70				
	80	VC	0.52	69	40	32	26	20	16.0	12.8	10.6	8.5	1.9	1.3	0.91	0.74				
AIC11004 (50)	30	XC	0.55	66	39	31	26	19.3	15.4	12.9	9.7	7.4	1.9	1.4	0.96	0.79				
	40	XC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78				
	50	VC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
	60	VC	0.63	81	47	37	31	23	18.7	15.6	12.5	9.4	2.1	1.5	1.1	0.86				
	70	VC	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90				
	80	VC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94				
AIC11005 (50)	30	XC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97				
	40	XC	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0				
	50	VC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1				
	60	VC	0.82	106	62	50	42	32	25	20	16.6	12.6	2.9	1.9	1.4	1.2				
	70	VC	0.85	109	63	50	42	32	25	21	16.8	12.8	3.0	2.0	1.5	1.2				
	80	VC	0.88	112	65	52	43	33	26	21	17.1	13.7	3.1	2.1	1.6	1.3				
AIC11006 (50)	30	XC	0.90	115	67	53	45	33	27	22	17.8	13.3	3.2	2.2	1.6	1.3				
	40	XC	0.95	122	71	56	47	35	28	24	18.8	14.1	3.3	2.3	1.7	1.4				
	50	VC	1.02	131	76	61	50	38	30	25	20	15.1	3.5	2.3	1.7	1.4				
	60	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4				
	70	VC	1.13	145	84	67	56	42	34	26	22	16.6	3.8	2.5	1.9	1.5				
	80	VC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6				
AIC11008 (50)	30	XC	1.26	161	94	75	62	47	37	31	25	18.7	4.3	2.9	2.1	1.7				
	40	XC	1.36	174	101	81	67	50	40	34	27	20	4.6	3.1	2.3	1.8				
	50	VC	1.41	180	105	84	70	52	42	35	28	21	4.8	3.2	2.4	1.9				
	60	VC	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0				
	70	VC	1.58	202	117	94	78	59	47	39	31	23	5.4	3.6	2.7	2.1				
	80	VC	1.70	218	126	101	84	63	50	42	34	25	5.8	3.9	2.9	2.3				
AIC11010	30	XC	1.87	235	141	111	89	71	59	47	39	31	6.1	4.1	3.0	2.5				
	40	XC	1.96	246	149	119	98	74	59	49	39	31	6.4	4.2	3.1	2.6				
	50	VC	2.08	263	157	125	100	78	62	50	42	34	6.7	4.4	3.2	2.7				
	60	VC	2.12	269	163	129	103	80	63	51	42	35	6.9	4.5	3.3	2.8				
	70	VC	2.19	278	169	134	106	83	65	53	43	36	7.2	4.7	3.4	2.9				
	80	VC	2.28	291	177	141	111	88	70	57	46	38	7.5	4.9	3.6	3.0				
AIC11015	30	XC	2.52	314	191	151	121	97	79	63	51	42	7.8	5.1	3.8	3.1				
	40	XC	2.64	331	202	161	131	104	84	67	56	45	8.1	5.4	4.0	3.2				
	50	VC	2.78	349	214	172	141	111	89	71	59	47	8.4	5.6	4.1	3.3				
	60	VC	2.92	368	226	183	151	121	97	79	63	51	8.7	5.8	4.2	3.4				
	70	VC	3.08	389	239	195	161	131	104	84	67	56	9.0	6.0	4.3	3.5				
	80	VC	3.25	412	253	208	173	141	111	89	71	59	9.3	6.2	4.4	3.6				

Flat Spray - Turbo TeeJet Induction

Typical Applications



HERBICIDE
SOIL APPLIED
EXCELLENT
SYSTEMIC
EXCELLENT



FERTILIZER
BROADCAST
EXCELLENT



DRIFT
CONTROL
EXCELLENT



PWM
APPROVED



SPRAY
PATTERN



DROPLET SIZE
CLASSIFICATION



OPTIMUM
SPRAY HEIGHT



RECOMMENDED
PRESSURE RANGE



MATERIALS AVAILABLE

VP POLYMER

Features:

- ▶ 110 ° wide angles, air induction, tapered flat spray tip pattern based on the patented outlet orifice design of the original Turbo TeeJet nozzle.
- ▶ Provides excellent drift control and produces less than 2% of draftable fines.
- ▶ Patented orifice design provides large, round passages to minimize plugging and improved wear life.
- ▶ Depending on the chemical, produces large air-filled droplets through a Venturi air aspirator resulting in less drift
- ▶ Compact size to prevent tip damage
- ▶ Removable pre-orifice
- ▶ Available in nice VisiFlo Polymer (VP) capacities.
- ▶ Automatic spray alignment with Quick TeeJet cap and gasket 115835A-*.CELRL (015-06), or 114502A (08-10). The 115835A exclusive cap allows for straight through assembly, no need to rotate 90 ° to insert into the cap.

How to Order:

Polymer with VisiFlo color-coding

T T I 1 1 0 0 4 - V P

Tip Type Spray Angle Capacity Size Material Code

Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket

T T I 1 1 0 0 3 - V P - C E

Tip Type Spray Angle Capacity Size Material Code Cap & Gasket Included

TIP PART NO. (STRAINER MESH SIZE)		DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING															
					GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.							
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH				
TT111001 (100)	15	UC	0.061	7.8	4.5	3.6	3.0	2.3	1.8	1.5	1.2	0.91	0.21	0.14	0.10	0.08				
	20	UC	0.071	9.1	5.3	4.2	3.5	2.6	2.1	1.8	1.4	1.1	0.24	0.16	0.12	0.10				
	30	UC	0.087	11	6.5	5.2	4.3	3.2	2.6	2.2	1.7	1.3	0.30	0.20	0.15	0.12				
	40	XC	0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14				
	50	XC	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15				
	60	UC	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.9	0.41	0.27	0.20	0.16				
	70	UC	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18				
TT111001S (100)	15	UC	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13				
	20	UC	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15				
	30	UC	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18				
	40	XC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20				
	50	XC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	60	UC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
	70	UC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
TT111002 (50)	15	UC	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16				
	20	UC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19				
	30	UC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	40	XC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
	50	XC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	60	UC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
	70	UC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
TT111002S (50)	15	UC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20				
	20	UC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
	30	UC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
	40	XC	0.25	32	16.6	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	50	XC	0.28	36	18.4	15.3	12.5	9.2	7.7	6.1	4.6	3.1	0.82	0.54	0.41	0.33				
	60	UC	0.31	40	21.1	17.3	14.3	10.9	8.9	7.1	5.9	4.8	0.91	0.61	0.46	0.36				
	70	UC	0.33	42	25	19.6	16.3	13.3	10.1	8.2	6.5	4.9	1.1	0.75	0.56	0.42				
TT111003 (50)	15	UC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
	20	UC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29				
	30	UC	0.26	33	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
	40	XC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
	50	XC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46				
	60	UC	0.37	47	27	21.8	18.3	14.9	11.9	9.9	7.9	5.9	1.3	0.84	0.63	0.50				
	70	UC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
TT111004 (50)	15	UC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
	20	UC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	30	UC	0.35	45	26	21.1	17.3	14.3	10.9	8.9	7.1	5.9	0.91	0.61	0.46	0.36				
	40	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	50	XC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	7.1	1.5	1.0	0.77	0.61				
	60	UC	0.49	63	39	29	24	17.6	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67				
	70	UC	0.53	68	43	31	26	19.7	15.7	12.7	10.1	7.9	1.8	1.2	0.90	0.71				
TT111005 (50)	15	UC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
	20	UC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	30	UC	0.35	45	26	21.1	17.3	14.3	10.9	8.9	7.1	5.9	0.91	0.61	0.46	0.36				
	40	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	50	XC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	7.1	1.5	1.0	0.77	0.61				
	60	UC	0.49	63	39	29	24	17.6	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67				
	70	UC	0.53	68	43	31	26	19.7	15.7	12.7	10.1	7.9	1.8	1.2	0.90	0.71				
TT111006 (50)	15	UC	0.31	40	21.1	17.3	14.3	10.9	8.9	7.1	5.9	4.8	0.91	0.61	0.46	0.36				
	20	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	30	UC	0.43	53	33	27	22	16.7	13.4	11.1	8.9	7.1	1.5	1.0	0.77	0.61				
	40	XC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68				
	50	XC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
	60	UC	0.61	78	46	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83				
	70	UC	0.66	84	49	39	33	25	19.6	16.3	13.3	9.8	2.2	1.5	1.1	0.88				
TT111008 (50)	15	UC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
	20	UC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57				
	30	UC	0.50	62	37	30	26	21.1	17.3	14.3	10.9	8.9	1.5	1.0	0.77	0.61				
	40	XC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
	50	XC	0.61	78	46	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83				
	60	UC	0.66	84	49	39	33	25	19.6	16.3	13.3	9.8	2.2	1.5	1.1	0.88				
	70	UC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97				
TT111010	15	UC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67				
	20	UC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78				
	30	UC	0.69	88	51	41	34	26	20	17.6	14.1	10.5	2.3	1.5	1.1	0.94				
	40	XC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1				
	50	XC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2				
	60	UC	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3				
	70	UC	1.06	136	79	62	52	39	32	26	21.2	15.7	3.6	2.4	1.8	1.4				
TT111010	15	UC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83				
	20	UC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97				
	30	UC	0.87	111	65	52	42	32	24	19.3	15.3	11.3	3.0	2.0	1.5	1.2				
	40	XC	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4				
	50	XC	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5				
	60	UC	1.22	156	91	72	60	45	36	30	24	18.1	4.2	2.8	2.1	1.7				
	70	UC	1.32	169	98	78	64	49	38	32	26	19.2	4.5	3.0	2.2	1.8				
TT111010	15	UC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83				
	20	UC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97				
	30	UC	0.87	111	65	52	42	32	24	19.3	15.3	11.3	3.0	2.0	1.5	1.2				
	40	XC	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4				
	50	XC	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5				
	60	UC	1.22	156	91	72	60	45	36	30	24	18.1	4.2	2.8	2.1	1.7				
	70	UC	1.32	169	98	78	64	49	38	32	26	19.2	4.5	3.0	2.2	1.8				
TT111010	15	UC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83				
	20	UC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97				
	30	UC	0.87	111	65	52	42	32	24	19.3	15.3	11.3	3.0	2.0	1.5	1.2				
	40	XC	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4				
	50	XC	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5				
	60	UC	1.22	156	91	72	60	45	36	30	24	18.1	4.2	2.8	2.1	1.7				
	70	UC	1.32	169																

Twin Flat Spray - TTI TwinJet

How to order:

Polymer with VisiFlo color-coding

TTI60-11004VP

Tip
Type

Spray
Angle

Capacity
Size

Material
Code

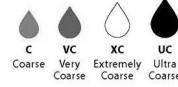
Typical Applications



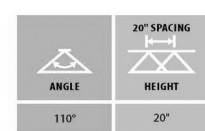
SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



Features:

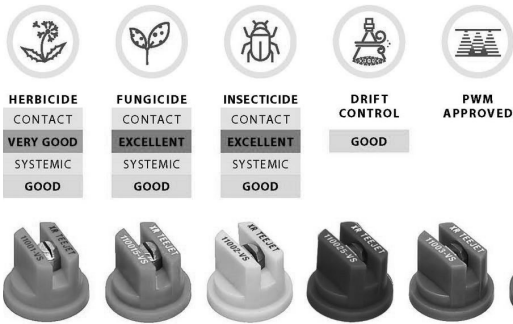
- ▶ TTI60 produces two 110° wide angle, flat spray patterns for uniform coverage in broadcast applications
- ▶ Extremely large drift resistant droplets are produced through the use of a venturi air aspirator.
- ▶ Provides excellent drift control and produces minimal draftable fines less than 1.5%
- ▶ 60° angle between leading and trailing patterns for increased canopy trailing patterns for increased canopy penetration and leaf coverage.
- ▶ All in one molded nozzle and Quick TeeJet cap design provides automatic spray alignment
- ▶ Removable pre-orifice allows for disassembly and cleaning
- ▶ Available in seven VisiFlo Polymer (VP) capacities
- ▶ Replacement gasket: CP19438-1-EPR

* -04 capacity spraying water at 40 PSI.
Draftable fines defined as droplets smaller than 150 microns.

TIP PART NO. (STRAINER MESH SIZE)		DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING															
					GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.							
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH				
TTI60-11002VP (50)	20	UC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19				
	30	XC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	40	XC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
	50	VC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	60	VC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
	70	VC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
	80	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
TTI60-110025VP (50)	90	C	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
	100	C	0.32	41	24	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.1	0.73	0.54	0.44				
	20	UC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
	30	XC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	40	XC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34				
	50	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	60	VC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42				
TTI60-11003VP (50)	70	VC	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45				
	80	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	90	C	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52				
	100	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	20	UC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29				
	30	XC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
	40	XC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
TTI60-11004VP (50)	50	XC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46				
	60	XC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
	70	VC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	80	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57				
	90	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
	100	VC	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64				
	20	UC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
TTI60-110045VP (50)	30	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	40	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	50	XC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
	60	XC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67				
	70	VC	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72				
	80	VC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78				
	90	VC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
TTI60-11005VP (50)	100	VC	0.63	81	47	37	31	23	18.7	15.6	12.5	9.4	2.1	1.4	1.1	0.86				
	20	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	30	UC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58				
	40	XC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68				
	50	XC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
	60	XC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83				
	70	VC	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90				
TTI60-11006VP (50)	80	VC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97				
	90	VC	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0				
	100	VC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1				
	20	UC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57				
	30	UC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71				
	40	XC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
	50	XC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91				
TTI60-11008VP (50)	60	XC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99				
	70	VC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1				
	80	VC	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2				
	90	VC	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2				
	100	VC	0.95	122	71	56	47	35	28	24	18.8	14.1	3.2	2.2	1.6	1.3				
	20	UC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78				
	30	UC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94				
TTI60-110085VP (50)	40	XC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.09				
	50	XC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2				
	60	XC	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3				
	70	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4				
	80	VC	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5				
	90	VC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.9	2.0	1.6				
	100	VC	1.26	161	94	75	62	47	37	31	25	18.7	4.3	2.9	2.1	1.7				

Extended Range Flat Spray - XR TeeJet

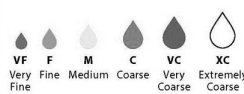
Typical Applications



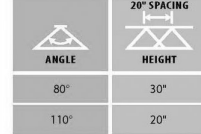
SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT



RECOMMENDED PRESSURE RANGE

15-60 PSI

MATERIALS AVAILABLE

- VS STAINLESS STEEL
- VP POLYMER
- VK CERAMIC
- VB BRASS
- SS STAINLESS STEEL

How to Order:

Ceramic with VisiFlo color-coding

X R 1 1 0 0 4 - V K
Tip Type Spray Angle Capacity Size Material Code

Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket

X R 1 1 0 0 2 - V P - C E
Tip Type Spray Angle Capacity Size Material Code Cap & Gasket Included

Features:

- ▶ Tapered edge flat spray angle pattern for uniform coverage in broadcast spray application.
- ▶ Reduces drift at lower pressures, better coverage at higher pressures.
- ▶ Ceramic is available with corrosive resistant polypropylene VisiFlo color-coded tip holder in 80° capacities 03-08 and 110° capacities 02-08
- ▶ XR110025 only available in VK
- ▶ XR80025 and XR80035 only available in VS
- ▶ Brass available in 110° only
- ▶ Automatic spray alignment with 114441A*-CLER (01-08) or 114443A*-CLER (10-15) Quick TeeJet cap and gasket.

TIP PART NO. (STRAINER MESH SIZE)		PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING														TURF APPLICATION GALLONS PER 1000 SQ. FT.															
						GALLONS PER ACRE (GPA)														2 MPH				3 MPH				4 MPH				5 MPH			
						80°	110°	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH																
XR8001 XR11001 (100)	15	F	F	0.061	7.8	4.5	3.6	3.0	2.3	1.8	1.5	1.2	0.91	0.21	0.14	0.10	0.08																		
	20	F	F	0.071	9.1	5.3	4.2	3.5	2.6	2.1	1.8	1.4	1.1	0.24	0.16	0.12	0.10																		
	30	F	F	0.087	11	6.5	5.2	4.3	3.2	2.6	2.2	1.7	1.3	0.30	0.20	0.15	0.12																		
	40	F	F	0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14																		
	50	F	F	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15																		
XR8015 XR11015 (100)	60	F	VF	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16																		
	15	M	M	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13																		
	20	F	F	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15																		
	30	F	F	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18																		
	40	F	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20																		
XR8002 XR11002 (50)	50	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23																		
	60	F	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24																		
	15	M	M	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16																		
	20	M	M	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19																		
	30	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23																		
XR8025 XR11025 (50)	40	F	F	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27																		
	50	F	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30																		
	60	F	F	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33																		
	15	M	M	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20																		
	20	M	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24																		
XR8035 XR11035 (50)	30	M	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30																		
	40	F	F	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34																		
	50	F	F	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38																		
	60	F	F	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42																		
	15	M	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24																		
XR8004 XR11004 (50)	20	M	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29																		
	30	M	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35																		
	40	F	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41																		
	50	F	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46																		
	60	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50																		
XR8005 XR11005 (50)	15	M	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29																		
	20	M	M	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34																		
	30	M	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41																		
	40	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48																		
	50	F	F	0.39	50	29	23	19.3	14.5	11.6	9.7	7.7	5.8	1.3	0.88	0.66	0.53																		
XR8006 XR11006 (50)	60	F	F	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58																		
	15	M	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33																		
	20	M	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	1.0	0.63	0.48	0.38																		
	30	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48																		
	40	M	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54																		
XR8008 XR11008 (50)	50	F	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61																		
	60	F	F	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67																		
	15	C	C	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42																		
	20	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48																		
	30	M	M	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58																		
XR8010 XR11010 (50)	40	M	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68																		
	50	M	F	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76																		
	60	F	F	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83																		
	15	C	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50																		
	20	M	M	0.42	54	25	21	15.2	10.5	8.3	6.9	5.2	4.2	0.95	0.63	0.48	0.38																		
XR8006 XR11006 (50)	30	M	M	0.52	67	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71																			
	40	M	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82																		
	50	M	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.5	1.5	1.1	0.91																		
	60	M	M	0.73	93	54	43	36	27	19.8	18.1	14.5	10.8	2.5	1.7	1.2	0.99																		
	15	C	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67																		
XR8008 XR11008 (50)	20	C	C	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78																		
	30	C	C	0.69	88	51	41	34	26	20	17.1	13.7	10.2	7.3	1.6	1.2	0.94																		
	40	M	M	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1																		
	50	M	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2																		
	60	M	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3																		
XR8010† XR11010†	15	C	C	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83																		
	20	C	C	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97																		
	30	C	C	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2																		
	40	M	M	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4																		
	50	M	M	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5																		
XR8015† XR11015†	60	M	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7																		
	15	VC	VC	0.92	118	68	55	46	34	27	23	18.2	13.7	3.1	2.1	1.6	1.3																		
	20	VC	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4																		
	30	VC	C	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8																		
	40	C	C	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0																		
XR8015† XR11015†	50	C	C	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3																		

Extended Range Flat Spray - XRC TeeJet

Typical Applications

				
HERBICIDE CONTACT	FUNGICIDE CONTACT	INSECTICIDE CONTACT	DRIFT CONTROL	PWM APPROVED
VERY GOOD	EXCELLENT	EXCELLENT	GOOD	
SYSTEMIC	SYSTEMIC	SYSTEMIC		
GOOD	GOOD	GOOD		



SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

ANGLE	20" SPACING HEIGHT
80°	30"
110°	20"

RECOMMENDED PRESSURE RANGE

15-60 PSI

MATERIALS AVAILABLE

- VS STAINLESS STEEL
- VP POLYMER
- VK CERAMIC

How to Order:

Stainless Steel with VisiFlo color-coding

X R C 1 1 0 0 4 - V S
Tip Type Spray Angle Capacity Size Material Code

Polymer with VisiFlo color-coding

X R C 1 1 0 0 4 - V P
Tip Type Spray Angle Capacity Size Material Code

Ceramic with VisiFlo color-coding

X R C 1 1 0 0 4 - V K
Tip Type Spray Angle Capacity Size Material Code

Features:

- ▶ Tapered edge flat spray pattern for uniform coverage in broadcast spraying.
- ▶ Reduces drift at lower pressures, improves coverage at higher pressures.
- ▶ Various XR orifice materials are permanently assembled into reinforced nylon Quick TeeJet caps, providing reliable XR performance, convenient installation, and automatic pattern alignment.
- ▶ Includes tightly fitting gasket that stays put and assures a good deal. Replacement gasket part number: CP19438-1-EPR

TIP PART NO. (STRAINER MESH SIZE)		PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING															
						GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.							
						4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH				
80°	110°																				
XRC80015 (100)	15	M	M	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13				
	20	F	F	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15				
	30	F	F	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18				
	40	F	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20				
	50	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	60	F	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
XRC8002 XRC11002 (50)	15	M	M	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16				
	20	M	M	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19				
	30	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	40	F	F	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
	50	F	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	60	F	F	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
XRC110025 (50)	15	M	M	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20				
	20	M	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
	30	M	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	40	F	F	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34				
	50	F	F	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	60	F	F	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42				
XRC8003 XRC11003 (50)	15	M	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
	20	M	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29				
	30	M	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
	40	F	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
	50	F	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46				
	60	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
XRC8004 XRC11004 (50)	15	M	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
	20	M	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	30	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	40	M	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	50	F	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
	60	F	F	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67				
XRC8005 XRC11005 (50)	15	C	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42				
	20	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	30	M	M	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58				
	40	M	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68				
	50	M	F	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
	60	F	F	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83				
XRC8006 XRC11006 (50)	15	C	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
	20	C	M	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57				
	30	M	M	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71				
	40	M	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
	50	M	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91				
	60	M	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99				
XRC8008 XRC11008 (50)	15	VC	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67				
	20	C	M	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78				
	30	C	M	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94				
	40	M	M	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1				
	50	M	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2				
	60	M	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3				
XRC11010	15	VC	C	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83				
	20	C	C	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97				
	30	C	C	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2				
	40	M	M	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4				
	50	M	M	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5				
	60	M	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7				
XRC11015	15	XC	VC	0.92	118	68	55	46	34	27	23	18.2	13.7	3.1	2.1	1.6	1.3				
	20	VC	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4				
	30	VC	C	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8				
	40	C	C	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0				
	50	C	C	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3				
	60	C	M	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5				
XRC11020	15	XC	C	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7				
	20	VC	VC	1.41	180	105	84	70	52	42	35	28	21	4.8	3.2	2.4	1.9				
	30	VC	VC	1.73	221	128	103	86	64	51	43	34	26	5.9	3.9	2.9	2.4				
	40	C	C	2.00	256	149	119	99	74	59	50	40	30	6.8	4.5	3.4	2.7				
	50	C	C	2.24	287	166	133	111	83	67	55	44	33	7.6	5.1	3.8	3.0				
	60	C	C	2.45	314	182	146	121	91	73	61	49	36	8.3	5.6	4.2	3.3				

SPRAYER PARTS AND ACCESSORIES



CLASSIFICATION

VF F M C VC

Very Fine Fine Medium Coarse Very Coarse

ANGLE	20" SPACING HEIGHT
65°	35"
80°	30"
110°	20"

AVAILABLE

- VS STAINLESS STEEL
- VP POLYMER
- HSS HARDENED STAINLESS STEEL
- B BRASS

 30-60 PSI

- ▶ Tapered edge flat spray pattern for uniform coverage in broadcast spraying
- ▶ VisiFlo color-coded version available in stainless steel, ceramic and polymer in 80 ° or 110 ° spray angles in selected sizes.
- ▶ Available in ceramic 80 ° capacities 01-02 and 110 ° capacities 01-015
- ▶ Automatic spray alignment with 114441A-* -CLER (0065 to 08) or 11443A-* -CLER (10 to 20) Quick TeeJet cap and gasket.

Stainless Steel with VisiFlo color-coding

T	P	8	0	0	2	V	S
Tip		Spray		Capacity		Material	
Type		Angle		Size		Code	

Brass

<u>T</u>	<u>P</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>3</u>
Tip		Spray		Capacity		

Polymer with VisiFlo color-coding

T	P	1	1	0	0	2	V	P
Tip		Spray			Capacity		Material	
Temp		Angle			Size		Code	

TIP PART NO. (STRAINER MESH SIZE)	 PSI	DROP SIZE		CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING															
						GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.							
		80°	110°	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH						
TP650050† TP800050† TP1100050† (100)	30	F	VF	0.043	5.5	3.2	2.6	2.1	1.6	1.3	1.1	0.85	0.64	0.15	0.10	0.07	0.06				
	35	F	VF	0.047	6.0	3.5	2.8	2.3	1.7	1.4	1.2	0.93	0.70	0.16	0.11	0.08	0.06				
	40	F	VF	0.050	6.4	3.7	3.0	2.5	1.9	1.5	1.2	0.99	0.74	0.17	0.11	0.09	0.07				
	50	VF	VF	0.056	7.2	4.2	3.3	2.8	2.1	1.7	1.4	1.1	0.83	0.19	0.13	0.10	0.08				
	60	VF	VF	0.061	7.8	4.5	3.6	3.0	2.3	1.8	1.5	1.2	0.91	0.21	0.14	0.10	0.08				
TP650067† TP800067† TP1100067† (100)	30	F	F	0.058	7.4	4.3	3.4	2.9	2.2	1.7	1.4	1.1	0.86	0.20	0.13	0.10	0.08				
	35	F	VF	0.063	8.1	4.7	3.7	3.1	2.3	1.9	1.6	1.2	0.94	0.21	0.14	0.11	0.09				
	40	F	VF	0.067	8.6	5.0	4.0	3.3	2.5	2.0	1.7	1.3	0.99	0.23	0.15	0.11	0.09				
	50	VF	VF	0.075	9.6	5.6	4.5	3.7	2.8	2.2	1.9	1.5	1.1	0.26	0.17	0.13	0.10				
	60	VF	VF	0.082	10	6.1	4.9	4.1	3.0	2.4	2.0	1.6	1.2	0.28	0.19	0.14	0.11				
TP6501†	30	F	F	0.087	11	6.5	5.2	4.3	3.2	2.6	2.2	1.7	1.3	0.30	0.20	0.15	0.12				
	35	F	F	0.094	12	7.0	5.6	4.7	3.5	2.8	2.3	1.9	1.4	0.32	0.21	0.16	0.13				
TP8001 TP11001 (100)	40	F	F	0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14				
	50	F	VF	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15				
	60	VF	VF	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16				
TP65015† TP80015 TP110015 (100)	30	F	F	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18				
	35	F	F	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19				
	40	F	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20				
	50	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
TP6502† TP8002 TP11002 (50)	60	F	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
	30	M	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	35	F	F	0.19	24	14.1	11.3	9.4	7.1	5.6	4.7	3.8	2.8	0.65	0.43	0.32	0.26				
	40	F	F	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
TP6503† TP8003 TP11003 (50)	50	F	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	60	F	F	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
	30	M	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
	35	M	F	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
TP8003 TP11003 (50)	40	M	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
	50	F	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46				
	60	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
	TP6504† TP8004 TP11004 (50)	30	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48			
35		M	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
40		M	F	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
50		M	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
TP6505† TP8005 TP11005 (50)	60	F	F	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67				
	30	M	M	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58				
	35	M	M	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64				
	40	M	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68				
TP6506† TP8006 TP11006 (50)	50	M	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
	60	M	M	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83				
	30	C	M	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71				
	35	C	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
TP8006 TP11006 (50)	40	M	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
	50	M	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91				
	60	M	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99				
	TP6508† TP8008 TP11008 (50)	30	C	M	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94			
35		C	M	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0				
40		C	M	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1				
50		M	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2				
TP6510† TP8010† TP11010†	60	M	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3				
	30	C	M	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2				
	35	C	M	0.94	120	70	56	47	35	28	23	18.6	14.0	3.2	2.1	1.6	1.3				
	40	C	M	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4				
TP6515† TP8015† TP11015†	50	M	M	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5				
	60	M	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7				
	30	VC	C	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8				
	35	C	C	1.40	179	104	83	69	52	42	35	28	21	4.8	3.2	2.4	1.9				
TP8015† TP11015†	40	C	C	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0				
	50	C	M	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3				
	60	C	M	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5				
	30	VC	VC	1.73	221	128	103	86	64	51	43	34	26	5.9	3.9	2.9	2.4				
TP6520† TP8020† TP11020†	35	C	VC	1.87	239	139	111	93	69	56	46	37	28	6.4	4.2	3.2	2.5				
	40	C	C	2.00	256	149	119	99	74	59	50	40	30	6.8	4.5	3.4	2.7				
	50	C	C	2.24	287	166	133	111	83	67	55	44	33	7.6	5.1	3.8	3.0				
	60	C	C	2.45	314	182	146	121	91	73	61	49	36	8.3	5.6	4.2	3.3				

Drift Guard Flat Spray - DG TeeJet

Typical Applications



SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



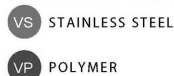
OPTIMUM SPRAY HEIGHT

20" SPACING	
ANGLE	HEIGHT
80°	30"
110°	20"

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



How to Order:

Stainless Steel with VisiFlo color-coding

D G 8 0 0 2 V S

Tip Type Spray Angle Capacity Size Material Code

Polymer with VisiFlo color-coding

D G 1 1 0 0 2 - V P

Tip Type Spray Angle Capacity Size Material Code

Features:

- Pre-orifice design produces larger droplets and reduces the small drift-prone droplets, minimizing off-target spray contamination.
- Tapered edge flat spray pattern provides uniform coverage when adjustments nozzle patterns are overlapped in broadcast spraying.
- The color-coded pre-orifice is removable for any necessary cleaning operations.
- Available in five VisiFlo Stainless Steel (VS) and VisiFlo Polymer (VP) capacities.
- Automatic spray alignment with 114441A-CLER Quick TeeJet cap and gasket.

TIP PART NO. (STRAINER MESH SIZE)	 PSI	DROP SIZE		CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING											
						GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.			
		80°	110°			4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
DG80015† DG110015 (100)	30	M	M	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
	35	M	M	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	40	F	M	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	50	F	M	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	60	F	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
DG8002† DG11002 (50)	30	C	C	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	35	M	C	0.19	24	14.1	11.3	9.4	7.1	5.6	4.7	3.8	2.8	0.65	0.43	0.32	0.26
	40	M	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	M	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	M	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
DG8003† DG11003 (50)	30	C	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	35	M	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	40	M	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	M	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	M	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
DG8004† DG11004 (50)	30	C	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	35	M	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	40	M	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	M	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	M	M	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
DG8005† DG11005 (50)	30	C	C	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
	35	C	C	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64
	40	C	C	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
	50	M	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	60	M	M	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83

Twin Flat Spray - Turbo TwinJet

Typical Applications



How to Order:

Polymer with VisiFlo color-coding

T T J 6 0 - 1 1 0 0 4 V P

Tip
Type

Spray
Angle

Capacity
Size

Material
Code

Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket

T T J 6 0 - 1 1 0 0 3 V P - C E

Tip
Type

Spray
Angle

Capacity
Size

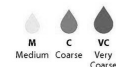
Material
Code

Cap & Gasket
Included

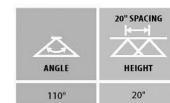
SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT



RECOMMENDED PRESSURE RANGE

20-90 PSI

MATERIALS AVAILABLE

VP POLYMER

TIP PART NO. (STRAINER MESH SIZE)	 PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING															
					GALLONS PER ACRE (GPA)										TURF APPLICATION GALLONS PER 1000 SQ. FT.					
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH				
TTJ60-11002 (100)	20	C	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19				
	30	C	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	40	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
	50	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	60	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
	70	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
	80	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
TTJ60-110025 (100)	90	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
	20	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
	30	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	40	M	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34				
	50	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	60	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42				
	70	M	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45				
TTJ60-11003 (100)	80	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	90	M	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52				
	20	VC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29				
	30	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
	40	C	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
	50	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46				
	60	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
TTJ60-11004 (50)	70	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	80	M	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57				
	90	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
	20	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	30	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	40	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	50	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
TTJ60-11005 (50)	60	M	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67				
	70	M	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72				
	80	M	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78				
	90	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
	20	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	30	C	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58				
	40	C	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68				
TTJ60-11006 (50)	50	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
	60	M	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83				
	70	M	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90				
	80	M	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97				
	90	M	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0				
	20	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57				
	30	C	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71				
TTJ60-11008 (50)	40	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82				
	50	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91				
	60	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99				
	70	M	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1				
	80	M	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2				
	90	M	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2				
	20	VC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78				
TTJ60-11010 (50)	30	C	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94				
	40	C	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.09				
	50	C	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2				
	60	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3				
	70	M	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4				
	80	M	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5				
	90	M	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6				
TTJ60-11010 (50)	20	VC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97				
	30	C	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2				
	40	C	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4				
	50	C	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5				
	60	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7				
	70	M	1.32	169	98	78	65	49	39	33	26	19.6	4.5	3.0	2.2	1.8				
	80	M	1.41	180	105	84	70	52	42	35	28	21	4.8	3.2	2.4	1.9				
TTJ60-11010 (50)	90	M	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0				

Twin Flat Spray - Air Induction Turbo TwinJet

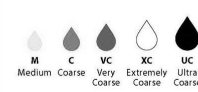
Typical Applications



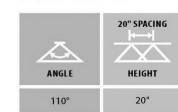
SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



How to Order:

Polymer with VisiFlo color-coding

A I T T J 6 0 - 1 1 0 0 4 V P

Tip Type

Spray Angle

Capacity Size

Material Code

Features:

- Dual tapered edge spray tip with air-induction technology
- The combination of the dual symmetric 110 ° flat fan pattern and the 60 ° angle between spray pattern in addition to the greater number of droplets, results in a superior crop coverage and penetration while providing excellent drift control.

- Available in nine VisiFlo Polymer (VP) capacities
- Automatic spray alignment with Quick TeeJet cap and gasket, 114443A-*-CLER (02 to 06) or 114502A-*-CLER (08 to 15).

Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket

A I T T J 6 0 - 1 1 0 0 4 V P - C E

Tip Type

Spray Angle

Capacity Size

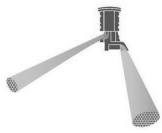
Material Code

Cap & Gasket Included

TIP PART NO. (STRAINER MESH SIZE)	 PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING													
					GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.					
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH		
AITTJ60-11002VP (100)	20	XC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19		
	30	VC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23		
	40	VC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27		
	50	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30		
	60	C	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33		
	70	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35		
	80	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38		
AITTJ60-110025VP (100)	90	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41		
	20	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24		
	30	VC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30		
	40	VC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34		
	50	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38		
	60	C	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42		
	70	C	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45		
AITTJ60-11003VP (50)	80	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48		
	90	C	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52		
	20	XC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29		
	30	XC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35		
	40	VC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41		
	50	VC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46		
	60	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50		
AITTJ60-11004VP (50)	70	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54		
	80	C	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57		
	90	C	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61		
	20	XC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38		
	30	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48		
	40	VC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54		
	50	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61		
AITTJ60-11005VP (50)	60	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67		
	70	C	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72		
	80	C	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78		
	90	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82		
	20	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48		
	30	XC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58		
	40	VC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68		
AITTJ60-11006VP (50)	50	VC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76		
	60	VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83		
	70	C	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90		
	80	C	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97		
	90	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0		
	20	UC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57		
	30	XC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71		
AITTJ60-11008VP (50)	40	VC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82		
	50	VC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91		
	60	VC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99		
	70	C	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1		
	80	C	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2		
	90	C	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2		
	20	UC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78		
AITTJ60-11010VP (50)	30	XC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94		
	40	XC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.09		
	50	XC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2		
	60	VC	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3		
	70	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4		
	80	VC	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5		
	90	VC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6		
AITTJ60-11015VP (50)	20	UC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97		
	30	XC	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2		
	40	XC	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4		
	50	XC	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5		
	60	VC	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7		
	70	VC	1.32	169	98	78	65	49	39	33	26	19.6	4.5	3.0	2.2	1.8		
	80	VC	1.41	180	105	84	70	52	42	35	28	21	4.8	3.2	2.4	1.9		
AITTJ60-11015VP (50)	90	VC	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0		
	20	UC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4		
	30	XC	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8		
	40	XC	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0		
	50	XC	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3		
	60	VC	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5		
	70	VC	1.98	253	147	118	98	74	59	49	39	29	6.7	4.5	3.4	2.7		
AITTJ60-11015VP (50)	80	VC	2.12	271	157	126	105	79	63	52	42	31	7.2	4.8	3.6	2.9		
	90	VC	2.25	288	167	134	111	84	67	56	45	33	7.7	5.1	3.8	3.1		

Air Induction Dual Pattern Flat Spray - AI3070

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT



Typical Applications



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



How to Order:

Polymer with VisiFlo color-coding

A I 3 0 7 0 - 0 4 V P

Tip Type

Capacity Size

Material Code

Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket

A I 3 0 7 0 - 0 3 V P - C

Tip Type

Capacity Size

Material Code

Cap & Gasket Included

Features:

- Provides excellent penetration and seed head coverage for fungicides spraying on cereal crops.
- AI3070 produces two wide angle, flat spray patterns for uniform coverage in broadcast applications.
- 30 ° forward tilted spray penetrates dense crop canopies, while the backwards tilted 70 ° spray maximizes coverage of the crop seed head.
- Drift resistant droplets are produced through the use of a venturi air aspirator.
- Available in six VisiFlo Polymer (VP) capacities.
- Due to the spray tip design, the boom height must be reduced when compared to other flat spray tips (see table below)
- Removable pre-orifice for fast and easy cleaning.
- Automatic spray alignment with Quick TeeJet cap and gasket 98579-1-NYR.

TIP PART NO. (STRAINER MESH SIZE)		DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING															
					GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.							
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH				
AI3070-015VP (100)	20	XC	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15				
	30	VC	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18				
	40	VC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20				
	50	C	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	60	C	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
	70	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
	80	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29				
90	M	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31					
AI3070-02VP (100)	20	XC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19				
	30	VC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23				
	40	VC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27				
	50	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	60	C	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33				
	70	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
	80	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
90	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41					
AI3070-025VP (100)	20	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24				
	30	VC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30				
	40	VC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34				
	50	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	60	C	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42				
	70	C	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45				
	80	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
90	M	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52					
AI3070-03VP (50)	20	XC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29				
	30	VC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35				
	40	VC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41				
	50	VC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46				
	60	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50				
	70	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	80	C	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57				
90	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61					
AI3070-04VP (50)	20	XC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38				
	30	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	40	VC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54				
	50	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61				
	60	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67				
	70	C	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72				
	80	C	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78				
90	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82					
AI3070-05VP (50)	20	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48				
	30	XC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58				
	40	VC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68				
	50	VC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76				
	60	VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83				
	70	C	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90				
	80	C	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97				
90	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0					

Twin Flat Spray - TwinJet

Typical Applications



SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

ANGLE	HEIGHT
65°	35"
80°	30"
110°	20"

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

VS STAINLESS STEEL

How to Order:

Polymer with VisiFlo color-coding

T J 6 0 - 8 0 0 2 V S

Tip Type Spray Angle Capacity Size Material Code

Features:

- Penetrates crop residue or dense foliage.
- Smaller droplets for thorough coverage.
- Better spray distribution along boom than with hollow cone.
- Available in stainless steel with VisiFlo color-coding in 65°, 80°, and 110° spray angle.
- Automatic spray alignment with 11443A*-CELRL Quick TeeJet cap and gasket.

TIP PART NO. (STRAINER MESH SIZE)	 PSI	DROP SIZE		CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING											
						GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.			
		80°	110°			4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
TJ60-6501 TJ60-8001 (100)	30	F		0.087	11	6.5	5.2	4.3	3.2	2.6	2.2	1.7	1.3	0.30	0.20	0.15	0.12
	35	F		0.094	12	7.0	5.6	4.7	3.5	2.8	2.3	1.9	1.4	0.32	0.21	0.16	0.13
	40	F		0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14
	50	VF		0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
	60	VF		0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
TJ60-650134 (100)	30			0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
	35			0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
	40			0.134	17	9.9	8.0	6.6	5.0	4.0	3.3	2.7	2.0	0.46	0.30	0.23	0.18
	50			0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	60			0.16	20	11.9	9.5	7.9	5.9	4.8	4.0	3.2	2.4	0.54	0.36	0.27	0.22
TJ60-6502 TJ60-8002 TJ60-11002 (100)	30	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	35	F	F	0.19	24	14.1	11.3	9.4	7.1	5.6	4.7	3.8	2.8	0.65	0.43	0.32	0.26
	40	F	F	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	F	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	F	F	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
TJ60-6503 TJ60-8003 TJ60-11003 (100)	30	F	F	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	35	F	F	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	40	F	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	F	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
TJ60-6504 TJ60-8004 TJ60-11004 (50)	30	F	F	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	35	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	40	F	F	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	F	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	F	F	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
TJ60-8005 TJ60-11005 (50)	30	M	M	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
	35	M	M	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.07	0.80	0.64
	40	M	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.13	0.85	0.68
	50	M	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	60	F	F	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.04	0.83
TJ60-6506 TJ60-8006 TJ60-11006 (50)	30	M	M	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
	35	M	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	40	M	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	50	M	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
	60	M	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
TJ60-6508 TJ60-8008 TJ60-11008 (50)	30	M	M	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
	35	M	M	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
	40	M	M	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
	50	M	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
	60	M	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3
TJ60-8010 TJ60-11010 (50)	30	M	M	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2
	35	M	M	0.94	120	70	56	47	35	28	23	18.6	14.0	3.2	2.1	1.6	1.3
	40	M	M	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4
	50	M	M	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5
	60	M	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7

Drift Guard Twin Flat Spray - DG TwinJet

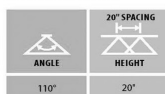
SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT



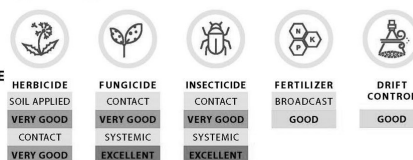
RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

VS STAINLESS STEEL

Typical Applications



How to Order:

Polymer with VisiFlo color-coding

DGTJ60-11004VS

Tip Type

Spray Angle

Capacity Size

Material Code

Features:

- ▶ Dual 110°, tapered edge, flat fan spray patterns spraying 60° forward to back providing better canopy coverage and penetration in broadcast spraying applications.
- ▶ DG TwinJet offer larger droplets and improved drift control compared to a standard twin flat spray tip of equal capacity
- ▶ Removable polymer pre-orifice

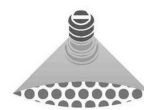
TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING											
					GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.			
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
DGTJ60-110015 (100)	30	M	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
	35	M	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	40	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	50	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	60	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
DGTJ60-11002 (100)	30	M	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	35	M	0.19	24	14.1	11.3	9.4	7.1	5.6	4.7	3.8	2.8	0.65	0.43	0.32	0.26
	40	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
DGTJ60-11003 (100)	30	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	35	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	40	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
DGTJ60-11004 (50)	30	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	35	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	40	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	M	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
DGTJ60-11006 (50)	30	C	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
	35	C	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	40	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	50	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
	60	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
DGTJ60-11008 (50)	30	C	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
	35	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
	40	C	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
	50	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
	60	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3

Wide Angle Flat Spray - Turbo FloodJet

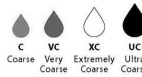
Typical Applications



SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

HEIGHT	SPACING
24"	20"
30"	30"
39"	40"

*Wide angle spray nozzle height is influenced by nozzle orientation. The critical factor is to achieve a minimum 30% overlap

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



How to Order:

Stainless Steel with VisiFlo color-coding
T F - V S 4
Tip Type Material Code Capacity Size

Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket
T F - V P 4
Tip Type Material Code Capacity Size

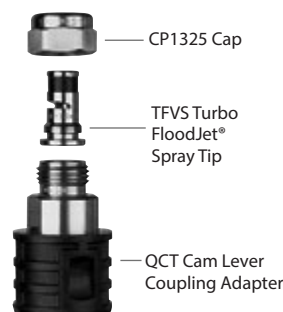
Features:

- ▶ Excellent spray distribution for uniform coverage along boom.
- ▶ Spray tip design incorporates a pre-orifice to produce larger droplets for less drift.
- ▶ Large, round orifice reduces clogging
- ▶ Available in seven VisiFlo Stainless Steel (VS) and seven VisiFlo Polymer (VP) capacities
- ▶ Can be used with 11445A-*-CLER Quick TeeJet cap and gasket for automatic alignment.

TIP PART NO. (STRAINER MESH SIZE)	 PSI	DROP SIZE		CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 40" SPRAY TIP SPACING										APPLICATION RATE FOR 20" SPRAY TIP SPACING			
						GALLONS PER ACRE (GPA)										TURF APPLICATION GALLONS PER 1000 SQ. FT.			
		VS	VP			4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH		
TF-T2 (50)	10	UC	UC	0.20	26	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.68	0.45	0.34	0.27		
	20	XC	XC	0.28	36	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.95	0.63	0.48	0.38		
	30	VC	VC	0.35	45	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6	1.2	0.79	0.60	0.48		
	40	VC	C	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54		
TF-T2.5 (50)	10	UC	UC	0.25	32	9.3	7.4	6.2	4.6	3.7	3.1	2.5	1.9	0.85	0.57	0.43	0.34		
	20	XC	XC	0.35	45	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6	1.2	0.79	0.60	0.48		
	30	VC	VC	0.43	55	16.0	12.8	10.6	8.0	6.4	5.3	4.3	3.2	1.5	0.97	0.73	0.58		
	40	VC	C	0.50	64	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	1.7	1.1	0.85	0.68		
TF-T3 (50)	10	UC	UC	0.30	38	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	1.0	0.68	0.51	0.41		
	20	XC	XC	0.42	54	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	1.4	0.95	0.71	0.57		
	30	XC	VC	0.52	67	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	1.8	1.2	0.88	0.71		
	40	VC	VC	0.60	77	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	2.0	1.4	1.0	0.82		
TF-T4 (50)	10	UC	UC	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54		
	20	UC	UC	0.57	73	21	16.9	14.1	10.6	8.5	7.1	5.6	4.2	1.9	1.3	0.97	0.78		
	30	XC	XC	0.69	88	26	20	17.1	12.8	10.2	8.5	6.8	5.1	2.3	1.6	1.2	0.94		
	40	VC	VC	0.80	102	30	24	19.8	14.9	11.9	9.9	7.9	5.9	2.7	1.8	1.4	1.1		
TF-T5	10	UC	UC	0.50	64	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	1.7	1.1	0.85	0.68		
	20	UC	UC	0.71	91	26	21	17.6	13.2	10.5	8.8	7.0	5.3	2.4	1.6	1.2	0.97		
	30	XC	XC	0.87	111	32	26	22	16.1	12.9	10.8	8.6	6.5	3.0	2.0	1.5	1.2		
	40	VC	VC	1.00	128	37	30	25	18.6	14.9	12.4	9.9	7.4	3.4	2.3	1.7	1.4		
TF-T7.5	10	UC	UC	0.75	96	28	22	18.6	13.9	11.1	9.3	7.4	5.6	2.6	1.7	1.3	1.0		
	20	UC	UC	1.06	136	39	31	26	19.7	15.7	13.1	10.5	7.9	3.6	2.4	1.8	1.4		
	30	XC	XC	1.30	166	48	39	32	24	19.3	16.1	12.9	9.7	4.4	2.9	2.2	1.8		
	40	VC	VC	1.50	192	56	45	37	28	22	18.6	14.9	11.1	5.1	3.4	2.6	2.0		
TF-T10	10	UC	UC	1.00	128	37	30	25	18.6	14.9	12.4	9.9	7.4	3.4	2.3	1.7	1.4		
	20	UC	UC	1.41	180	52	42	35	26	21	17.4	14.0	10.5	4.8	3.2	2.4	1.9		
	30	XC	XC	1.73	221	64	51	43	32	26	21	17.1	12.8	5.9	3.9	2.9	2.4		
	40	VC	VC	2.00	256	74	59	50	37	30	25	19.8	14.9	6.8	4.5	3.4	2.7		

QCT CAM LEVER COUPLING ADAPTER

- Provides easy changeover from high capacity to lower capacity nozzles.
- Adapter fits standard 3/4" cam lever coupling.
- Corrosion-resistant stainless steel and polypropylene construction.
- Rated up to 100 PSI.
- Use QJT-NYB to retrofit to Quick TeeJet.



Wide Angle Flat Spray - Quick Turbo FloodJet

Typical Applications

OPTIMUM SPRAY HEIGHT*

HEIGHT	SPACING
40"	40"
60"	60"

*When nozzle is mounted parallel to the ground.

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

VS STAINLESS STEEL

HOW TO ORDER

Stainless Steel with VisiFlo® color-coding

Q C T F - V S 4 0

Tip Type Material Capacity Size



HERBICIDE
SOIL APPLIED
EXCELLENT

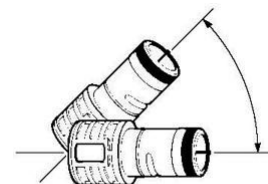


DRIFT CONTROL
EXCELLENT



Features:

- ▶ Turbulence chamber creates a dramatic improvement in pattern uniformity.
- ▶ Pre-orifice design produces larger droplets for reduced drift
- ▶ Large, round orifice reduces clogging.
- ▶ 1.6" diameter tip body fits into 3/4" cam lever coupling
- ▶ Grooved side molding for automatic alignment.



Nozzle can be mounted between 0° and 45°



TIP PART NO.	PSI	CAPACITY ONE TIP IN GPM	APPLICATION RATE FOR 60" SPRAY TIP SPACING (60" TYPICAL SPACING FOR LARGE CAPACITY NOZZLES)										
			4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH
QCTF-VS15	10	1.50	37	30	25	21	18.6	16.5	14.9	12.4	10.6	9.3	8.3
	20	2.12	52	42	35	30	26	23	21	17.5	15.0	13.1	11.7
	30	2.60	64	51	43	37	32	29	26	21	18.4	16.1	14.3
	40	3.00	74	59	50	42	37	33	30	25	21	18.6	16.5
QCTF-VS20	10	2.00	50	40	33	28	25	22	19.8	16.5	14.1	12.4	11.0
	20	2.83	70	56	47	40	35	31	28	23	20	17.5	15.6
	30	3.46	86	69	57	49	43	38	34	29	24	21	19.0
	40	4.00	99	79	66	57	50	44	40	33	28	25	22
QCTF-VS30	10	3.00	74	59	50	42	37	33	30	25	21	18.6	16.5
	20	4.24	105	84	70	60	52	47	42	35	30	26	23
	30	5.20	129	103	86	74	64	57	51	43	37	32	29
	40	6.00	149	119	99	85	74	66	59	50	42	37	33
QCTF-VS40	10	4.00	99	79	66	57	50	44	40	33	28	25	22
	20	5.66	140	112	93	80	70	62	56	47	40	35	31
	30	6.93	172	137	114	98	86	76	69	57	49	43	38
	40	8.00	198	158	132	113	99	88	79	66	57	50	44
QCTF-VS50	10	5.00	124	99	83	71	62	55	50	41	35	31	28
	20	7.07	175	140	117	100	87	78	70	58	50	44	39
	30	8.66	214	171	143	122	107	95	86	71	61	54	48
	40	10.00	248	198	165	141	124	110	99	83	71	62	55
QCTF-VS60	10	6.00	149	119	99	85	74	66	59	50	42	37	33
	20	8.49	210	168	140	120	105	93	84	70	60	53	47
	30	10.4	257	206	172	147	129	114	103	86	74	64	57
	40	12.0	297	238	198	170	149	132	119	99	85	74	66
QCTF-VS80	10	8.00	198	158	132	113	99	88	79	66	57	50	44
	20	11.3	280	224	186	160	140	124	112	93	80	70	62
	30	13.9	344	275	229	197	172	153	138	115	98	86	76
	40	16.0	396	317	264	226	198	176	158	132	113	99	88
QCTF-VS100	10	10.0	248	198	165	141	124	110	99	83	71	62	55
	20	14.1	349	279	233	199	174	155	140	116	100	87	78
	30	17.3	428	343	285	245	214	190	171	143	122	107	95
	40	20.0	495	396	330	283	248	220	198	165	141	124	110
QCTF-VS120	10	12.0	297	238	198	170	149	132	119	99	85	74	66
	20	17.0	421	337	281	240	210	187	168	140	120	105	94
	30	20.8	515	412	343	294	257	229	206	172	147	129	114
	40	24.0	594	475	396	339	297	264	238	198	170	149	132

Wide Angle Flat Spray - FloodJet

RECOMMENDED PRESSURE RANGE



10-40 PSI

MATERIALS AVAILABLE



STAINLESS STEEL



STAINLESS STEEL



POLYMER



BRASS



TK-VP FloodJet



TK-VS FloodJet



(B)1/4K FloodJet
(1/8" - 1" NPT)



QCK
Quick FloodJet

TIP PART NO. (STRAINER MESH SIZE)	PSI	CAPACITY ONE TIP IN GPM	APPLICATION RATE FOR 40" SPRAY TIP SPACING							
			4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH
1/8K-.50 TK-.50 (100)	10	0.050	—	—	—	—	—	—	—	—
	20	0.071	2.6	2.1	1.8	1.3	1.1	0.88	0.70	0.53
	30	0.087	3.2	2.6	2.2	1.6	1.3	1.1	0.86	0.65
	40	0.10	3.7	3.0	2.5	1.9	1.5	1.2	0.99	0.74
1/8K-.75 TK-.75 (100)	10	0.075	2.8	2.2	1.9	1.4	1.1	0.93	0.74	0.56
	20	0.11	4.1	3.3	2.7	2.0	1.6	1.4	1.1	0.82
	30	0.13	4.8	3.9	3.2	2.4	1.9	1.6	1.3	0.97
	40	0.15	5.6	4.5	3.7	2.8	2.2	1.9	1.5	1.1
1/8K-1 TK-1 (100)	10	0.10	3.7	3.0	2.5	1.9	1.5	1.2	0.99	0.74
	20	0.14	5.2	4.2	3.5	2.6	2.1	1.7	1.4	1.0
	30	0.17	6.3	5.0	4.2	3.2	2.5	2.1	1.7	1.3
	40	0.20	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5
1/8K-1.5 TK-1.5 (50)	10	0.15	5.6	4.5	3.7	2.8	2.2	1.9	1.5	1.1
	20	0.21	7.8	6.2	5.2	3.9	3.1	2.6	2.1	1.6
	30	0.26	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9
	40	0.30	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2
[1/8K, 1/4K, TK]-2 TK-2 (50)	10	0.20	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5
	20	0.28	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1
	30	0.35	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6
	40	0.40	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0
[1/8K, 1/4K, TK]-2.5 TK-2.5 (50)	10	0.25	9.3	7.4	6.2	4.6	3.7	3.1	2.5	1.9
	20	0.35	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6
	30	0.43	16.0	12.8	10.6	8.0	6.4	5.3	4.3	3.2
	40	0.50	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7
[1/8K, 1/4K, TK]-3 [TK]-3 (50)	10	0.30	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2
	20	0.42	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1
	30	0.52	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9
	40	0.60	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5
[1/8K, TK]-4 (50) TK-4 (50)	10	0.40	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0
	20	0.57	21	16.9	14.1	10.6	8.5	7.1	5.6	4.2
	30	0.69	26	20	17.1	12.8	10.2	8.5	6.8	5.1
	40	0.80	30	24	19.8	14.9	11.9	9.9	7.9	5.9
[1/8K, 1/4K, TK]-5 [TK]-5 (50)	10	0.50	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7
	20	0.71	26	21	17.6	13.2	10.5	8.8	7.0	5.3
	30	0.87	32	26	22	16.1	12.9	10.8	8.6	6.5
	40	1.00	37	30	25	18.6	14.9	12.4	9.9	7.4
[1/8K, 1/4K, TK]-7.5 TK-7.5 (50)	10	0.75	28	22	18.6	13.9	11.1	9.3	7.4	5.6
	20	1.06	39	31	26	19.7	15.7	13.1	10.5	7.9
	30	1.30	48	39	32	24	19.3	16.1	12.9	9.7
	40	1.50	56	45	37	28	22	18.6	14.9	11.1
[1/8K, 1/4K, TK]-10 TK-10 (50)	10	1.00	37	30	25	18.6	14.9	12.4	9.9	7.4
	20	1.41	52	42	35	26	21	17.4	14.0	10.5
	30	1.73	64	51	43	32	26	21	17.1	12.8
	40	2.00	74	59	50	37	30	25	19.8	14.9
[1/8K, 1/4K]-12	10	1.20	45	36	30	22	17.8	14.9	11.9	8.9
	20	1.70	63	50	42	32	25	21	16.8	12.6
	30	2.08	77	62	51	39	31	26	21	15.4
	40	2.40	89	71	59	45	36	30	24	17.8
[1/8K, 1/4K]-15 TK-15	10	1.50	56	45	37	28	22	18.6	14.9	11.1
	20	2.12	79	63	52	39	31	26	21	15.7
	30	2.60	97	77	64	48	39	32	26	19.3
	40	3.00	111	89	74	56	45	37	30	22
[1/8K, 1/4K]-18 TK-18	10	1.80	67	53	45	33	27	22	17.8	13.4
	20	2.55	95	76	63	47	38	32	25	19
	30	3.12	116	93	77	58	46	39	31	23
	40	3.60	134	107	89	67	53	45	36	27
[1/8K, 1/4K]-20 TK-20 QCK-20	10	2.00	74	59	50	37	30	25	19.8	14.9
	20	2.83	105	84	70	53	42	35	28	21
	30	3.46	128	103	86	64	51	43	34	26
	40	4.00	149	119	99	74	59	50	40	30
1/4K-22	10	2.20	82	65	54	41	33	27	22	16.3
	20	3.11	115	92	77	58	46	38	31	23
	30	3.81	141	113	94	71	57	47	38	28
	40	4.40	163	131	109	82	65	54	44	33
1/4K-24	10	2.40	89	71	59	45	36	30	24	17.8
	20	3.39	126	101	84	63	50	42	34	25
	30	4.16	154	124	103	77	62	51	41	31
	40	4.80	178	143	119	89	71	59	48	36

HOW TO ORDER

Stainless Steel
with VisiFlo® color-coding

Q C K - S S 1 0 0

Tip Type

Material
Code

Capacity
Size

T K - V S 5

Tip
Type

Material
Code

Capacity
Size

Polymer with VisiFlo color-coding

T K - V P 3

Tip
Type

Material
Code

Capacity
Size

Brass

(B) 1 / 4 K - 5

BSPT
Thread

Tip
Type

Capacity
Size

Stainless Steel

(B) 1 / 8 K - S S 5

BSPT
Thread

Tip
Type

Material
Code

Capacity
Size

Wide Angle Flat Spray - FloodJet

TIP PART NO.	 PSI	CAPACITY ONE TIP IN GPM	APPLICATION RATE FOR 60" SPRAY TIP SPACING							
			4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH
1/4K-27	10	2.70	67	53	45	33	27	22	17.8	13.4
	20	3.82	95	76	63	47	38	32	25	18.9
	30	4.68	116	93	77	58	46	39	31	23
	40	5.40	134	107	89	67	53	45	36	27
3/8K-30 TK-30	10	3.00	74	59	50	37	30	25	19.8	14.9
	20	4.24	105	84	70	52	42	35	28	21
QCK-30	30	5.20	129	103	86	64	51	43	34	26
	40	6.00	149	119	99	74	59	50	40	30
3/8K-35	10	3.50	87	69	58	43	35	29	23	17.3
	20	4.95	123	98	82	61	49	41	33	25
	30	6.06	150	120	100	75	60	50	40	30
	40	7.00	173	139	116	87	69	58	46	35
[3/8K, 1/2K]-40	10	4.00	99	79	66	50	40	33	26	19.8
	20	5.66	140	112	93	70	56	47	37	28
QCK-40	30	6.93	172	137	114	86	69	57	46	34
	40	8.00	198	158	132	99	79	66	53	40
3/8K-45	10	4.50	111	89	74	56	45	37	30	22
	20	6.36	157	126	105	79	63	52	42	31
	30	7.79	193	154	129	96	77	64	51	39
	40	9.00	223	178	149	111	89	74	59	45
1/2K-50	10	5.00	124	99	83	62	50	41	33	25
	20	7.07	175	140	117	87	70	58	47	35
QCK-50	30	8.66	214	171	143	107	86	71	57	43
	40	10.0	248	198	165	124	99	83	66	50
1/2K-60	10	6.00	149	119	99	74	59	50	40	30
	20	8.49	210	168	140	105	84	70	56	42
QCK-60	30	10.4	257	206	171	129	103	86	69	51
	40	12.0	297	238	198	149	119	99	79	59
1/2K-70	10	7.00	173	139	116	87	69	58	46	35
	20	9.90	245	196	163	123	98	82	65	49
	30	12.1	300	240	200	150	120	100	80	60
	40	14.0	347	277	231	173	139	116	92	69
[1/2K, 3/4K]-80	10	8.00	198	158	132	99	79	66	53	40
	20	11.3	280	224	186	140	112	93	75	56
QCK-80	30	13.9	344	275	229	172	138	115	92	69
	40	16.0	396	317	264	198	158	132	106	79
[1/2K, 3/4K]-90	10	9.00	223	178	149	111	89	74	59	45
	20	12.7	314	251	210	157	126	105	84	63
	30	15.6	386	309	257	193	154	129	103	77
	40	18.0	446	356	297	223	178	149	119	89
3/4K-100	10	10.0	248	198	165	124	99	83	66	50
	20	14.1	349	279	233	174	140	116	93	70
QCK-100	30	17.3	428	343	285	214	171	143	114	86
	40	20.0	495	396	330	248	198	165	132	99
3/4K-110	10	11.0	272	218	182	136	109	91	73	54
	20	15.6	386	309	257	193	154	129	103	77
	30	19.1	473	378	315	236	189	158	126	95
	40	22.0	545	436	363	272	218	182	145	109
[1/2K, 3/4K]-120	10	12.0	297	238	198	149	119	99	79	59
	20	17.0	421	337	281	210	168	140	112	84
QCK-120	30	20.8	515	412	343	257	206	172	137	103
	40	24.0	594	475	396	297	238	198	158	119
3/4K-140	10	14.0	347	277	231	173	139	116	92	69
	20	19.8	490	392	327	245	196	163	131	98
	30	24.2	599	479	399	299	240	200	160	120
	40	28.0	693	554	462	347	277	231	185	139
QCK-150	10	15.0	371	297	248	186	149	124	99	74
	20	21.2	525	420	350	262	210	175	140	105
	30	26.0	644	515	429	322	257	215	172	129
	40	30.0	743	594	495	371	297	248	198	149
3/4K-160	10	16.0	396	317	264	198	158	132	106	79
	20	22.6	559	447	373	280	224	186	149	112
	30	27.7	686	548	457	343	274	229	183	137
	40	32.0	792	634	528	396	317	264	211	158
3/4K-180	10	18.0	446	356	297	223	178	149	119	89
	20	25.5	631	505	421	316	252	210	168	126
QCK-180	30	31.2	772	618	515	386	309	257	206	154
	40	36.0	891	713	594	446	356	297	238	178
3/4K-210	10	21.0	520	416	347	260	208	173	139	104
	20	29.7	735	588	490	368	294	245	196	147
QCK-210	30	36.4	901	721	601	450	360	300	240	180
	40	42.0	1040	832	693	520	416	347	277	208

TurfJet - TeeJet

Typical Applications



SPRAY PATTERN



DROPLET SIZE CLASSIFICATION

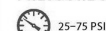


OPTIMUM SPRAY HEIGHT

HEIGHT	SPACING
24"	20"
30"	30"
39"	40"

*Wide angle spray nozzle height is influenced by nozzle orientation. The critical factor is to achieve a minimum 30% overlap

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



Features:

- ▶ Very large droplets
- ▶ More precise flow and distribution pattern
- ▶ Large orifice reduces clogging
- ▶ 1/4TTJ(VS) is available in seven VisiFlo capacities (02 to 15) and 1/4TTJ(VP) is available in four VisiFlo capacities (06 to 15).

QJ4676-90-1/4-NYR

- ▶ 90 ° fitting attaches to Quick TeeJet bodies -- 1/4" female threaded outlet
- ▶ Simple installation of TurfJet nozzle bodies on vertical nozzle bodies.
- ▶ Nylon construction.



How to Order:

Stainless Steel with VisiFlo color-coding

1 / 4 T T J 0 4 - V S

Tip Type Capacity Size Material Code

Polymer with VisiFlo color-coding, includes Quick TeeJet cap and gasket

1 / 4 T T J 0 6 - V P

Tip Type Capacity Size Material Code

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ/MIN	APPLICATION RATE FOR 40" SPRAY NOZZLE SPACING								APPLICATION RATE FOR 20" SPRAY TIP SPACING			
					GALLONS PER ACRE (GPA)								GALLONS PER 1000 SQ. FT.			
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
1/4TTJ02 (50)	25	UC	0.16	20	5.9	4.8	4.0	3.0	2.4	2.0	1.6	1.2	0.54	0.36	0.27	0.22
	30	XC	0.17	22	6.3	5.0	4.2	3.2	2.5	2.1	1.7	1.3	0.58	0.39	0.29	0.23
	40	XC	0.20	26	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.68	0.45	0.34	0.27
	50	VC	0.22	28	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.75	0.50	0.37	0.30
	60	VC	0.24	31	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.82	0.54	0.41	0.33
1/4TTJ04 (50)	75	VC	0.27	35	10.0	8.0	6.7	5.0	4.0	3.3	2.7	2.0	0.92	0.61	0.46	0.37
	25	UC	0.32	41	11.9	9.5	7.9	5.9	4.8	4.0	3.2	2.4	1.1	0.73	0.54	0.44
	30	UC	0.35	45	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6	1.2	0.79	0.60	0.48
	40	UC	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54
	50	UC	0.45	58	16.7	13.4	11.1	8.4	6.7	5.6	4.5	3.3	1.5	1.0	0.77	0.61
1/4TTJ05 (50)	60	UC	0.49	63	18.2	14.6	12.1	9.1	7.3	6.1	4.9	3.6	1.7	1.1	0.83	0.67
	75	UC	0.55	70	20	16.3	13.6	10.2	8.2	6.8	5.4	4.1	1.9	1.2	0.94	0.75
	25	UC	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54
	30	UC	0.43	55	16.0	12.8	10.6	8.0	6.4	5.3	4.3	3.2	1.5	0.97	0.73	0.58
	40	UC	0.50	64	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	1.7	1.1	0.85	0.68
1/4TTJ06 (50)	50	UC	0.56	72	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	1.9	1.3	0.95	0.76
	60	UC	0.61	78	23	18.1	15.1	11.3	9.1	7.5	6.0	4.5	2.1	1.4	1.0	0.83
	75	UC	0.68	87	25	20	16.8	12.6	10.1	8.4	6.7	5.0	2.3	1.5	1.2	0.92
	25	UC	0.47	60	17.4	14.0	11.6	8.7	7.0	5.8	4.7	3.5	1.6	1.1	0.80	0.64
	30	UC	0.52	67	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	1.8	1.2	0.88	0.71
1/4TTJ08	40	UC	0.60	77	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	2.0	1.4	1.0	0.82
	50	UC	0.67	86	25	19.9	16.6	12.4	9.9	8.3	6.6	5.0	2.3	1.5	1.1	0.91
	60	UC	0.73	93	27	22	18.1	13.6	10.8	9.0	7.2	5.4	2.5	1.7	1.2	0.99
	75	UC	0.82	105	30	24	20	15.2	12.2	10.1	8.1	6.1	2.8	1.9	1.4	1.1
	25	UC	0.63	81	23	18.7	15.6	11.7	9.4	7.8	6.2	4.7	2.1	1.4	1.1	0.86
1/4TTJ10	30	UC	0.69	88	26	20	17.1	12.8	10.2	8.5	6.8	5.1	2.3	1.6	1.2	0.94
	40	UC	0.80	102	30	24	19.8	14.9	11.9	9.9	7.9	5.9	2.7	1.8	1.4	1.1
	50	UC	0.89	114	33	26	22	16.5	13.2	11.0	8.8	6.6	3.0	2.0	1.5	1.2
	60	UC	0.98	125	36	29	24	18.2	14.6	12.1	9.7	7.3	3.3	2.2	1.7	1.3
	75	UC	1.10	141	41	33	27	20	16.3	13.6	10.9	8.2	3.7	2.5	1.9	1.5
1/4TTJ15	25	UC	0.79	101	29	23	19.6	14.7	11.7	9.8	7.8	5.9	2.7	1.8	1.3	1.1
	30	UC	0.87	111	32	26	22	16.1	12.9	10.8	8.6	6.5	3.0	2.0	1.5	1.2
	40	UC	1.00	128	37	30	25	18.6	14.9	12.4	9.9	7.4	3.4	2.3	1.7	1.4
	50	UC	1.12	143	42	33	28	21	16.6	13.9	11.1	8.3	3.8	2.5	1.9	1.5
	60	UC	1.22	156	45	36	30	23	18.1	15.1	12.1	9.1	4.1	2.8	2.1	1.7
1/4TTJ15	75	UC	1.37	175	51	41	34	25	20	17.0	13.6	10.2	4.7	3.1	2.3	1.9
	25	UC	1.19	152	44	35	29	22	17.7	14.7	11.8	8.8	4.0	2.7	2.0	1.6
	30	UC	1.30	166	48	39	32	24	19.3	16.1	12.9	9.7	4.4	2.9	2.2	1.8
	40	UC	1.50	192	56	45	37	28	22	18.6	14.9	11.1	5.1	3.4	2.6	2.0
	50	UC	1.68	215	62	50	42	31	25	21	16.6	12.5	5.7	3.8	2.9	2.3
1/4TTJ15	60	UC	1.84	236	68	55	46	34	27	23	18.2	13.7	6.3	4.2	3.1	2.5
	75	UC	2.05	262	76	61	51	38	30	25	20	15.2	7.0	4.6	3.5	2.8

Wide Angle Full Cone Spray - FullJet

SPRAY PATTERN



RECOMMENDED PRESSURE RANGE

15-40 PSI

MATERIALS AVAILABLE

VS STAINLESS STEEL

OPTIMUM SPRAY HEIGHT

HEIGHT	SPACING
24"	20"
30"	30"
39"	40"

FullJet nozzles should be angled 30°-45° from vertical for uniform spray distribution.

*Wide angle spray nozzle height is influenced by nozzle orientation. The critical factor is to achieve a minimum 30% overlap.

How to Order:

Stainless Steel with VisiFlo color-coding

FL - 5 VS

Celcon with Stainless Steel vane and VisiFlo color-coding

FL - 5 VS C

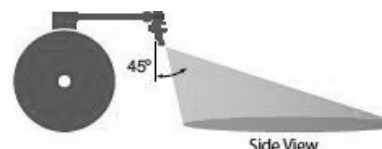
Typical Applications

HERBICIDE SOIL APPLIED	FUNGICIDE SYSTEMIC	INSECTICIDE SYSTEMIC	FERTILIZER BROADCAST	DRIFT CONTROL
EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	VERY GOOD

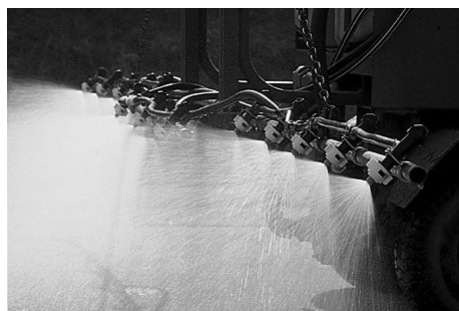


Features:

- Large droplets to reduce drift.
- Wide spray angle up to 120° allows use on 40" spacing
- Can be used with 114445A-CLER for Quick TeeJet connection.



TIP PART NO. (STRAINER MESH SIZE)	PSI	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 40" SPRAY TIP SPACING							APPLICATION RATE FOR 20" SPRAY TIP SPACING			
				GALLONS PER ACRE (GPA)							TURF APPLICATION GALLONS PER 1000 SQ. FT.			
				3 MPH	4 MPH	5 MPH	6 MPH	7MPH	8 MPH	10 MPH	2 MPH	3 MPH	4 MPH	5 MPH
FL-5	15	0.34	44	16.8	12.6	10.1	8.4	7.2	6.3	5.0	1.2	0.77	0.58	0.46
	20	0.38	49	18.8	14.1	11.3	9.4	8.1	7.1	5.6	1.3	0.86	0.65	0.52
	30	0.46	59	23	17.1	13.7	11.4	9.8	8.5	6.8	1.6	1.0	0.78	0.63
	40	0.50	64	25	18.6	14.9	12.4	10.6	9.3	7.4	1.7	1.1	0.85	0.68
FL-6.5	15	0.42	54	21	15.6	12.5	10.4	8.9	7.8	6.2	1.4	0.95	0.71	0.57
	20	0.48	61	24	17.8	14.3	11.9	10.2	8.9	7.1	1.6	1.1	0.82	0.65
	30	0.57	73	28	21	16.9	14.1	12.1	10.6	8.5	1.9	1.3	0.97	0.78
	40	0.65	83	32	24	19.3	16.1	13.8	12.1	9.7	2.2	1.5	1.1	0.88
FL-8	15	0.51	65	25	18.9	15.1	12.6	10.8	9.5	7.6	1.7	1.2	0.87	0.69
	20	0.58	74	29	22	17.2	14.4	12.3	10.8	8.6	2.0	1.3	0.99	0.79
	30	0.70	90	35	26	21	17.3	14.9	13.0	10.4	2.4	1.6	1.2	0.95
	40	0.80	102	40	30	24	19.8	17.0	14.9	11.9	2.7	1.8	1.4	1.1
FL-10	15	0.67	86	33	25	19.9	16.6	14.2	12.4	9.9	2.3	1.5	1.1	0.91
	20	0.76	97	38	28	23	18.8	16.1	14.1	11.3	2.6	1.7	1.3	1.0
	30	0.91	116	45	34	27	23	19.3	16.9	13.5	3.1	2.1	1.5	1.2
	40	1.00	128	50	37	30	25	21	18.6	14.9	3.4	2.3	1.7	1.4
FL-15	15	0.97	124	48	36	29	24	21	18.0	14.4	3.3	2.2	1.6	1.3
	20	1.11	142	55	41	33	27	24	21	16	3.8	2.5	1.9	1.5
	30	1.32	169	65	49	39	33	28	25	20	4.5	3.0	2.2	1.8
	40	1.50	192	74	56	45	37	32	28	22	5.1	3.4	2.6	2.0

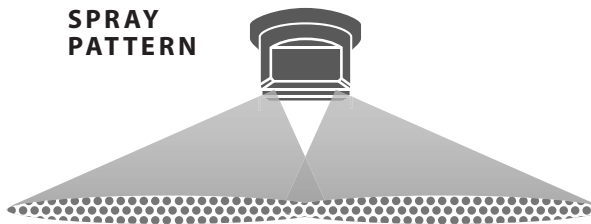


Double Outlet Flat Spray - TeeJet

150° SERIES STAINLESS STEEL AND BRASS

Suggested for post-directed application with hose drops.

SPRAY PATTERN



TIP PART NO. (STRAINER MESH SIZE)	 PSI	CAPACITY ONE TIP IN GPM	APPLICATION RATE FOR 20" SPRAY TIP SPACING										
			GALLONS PER ACRE (GPA)										
			4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH
TQ150-01-SS (100)	20	0.071	5.3	4.2	3.5	3.0	2.6	2.3	2.1	1.8	1.5	1.3	1.2
	25	0.079	5.9	4.7	3.9	3.4	2.9	2.6	2.3	2.0	1.7	1.5	1.3
	30	0.087	6.5	5.2	4.3	3.7	3.2	2.9	2.6	2.2	1.8	1.6	1.4
	40	0.10	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.5	2.1	1.9	1.7
	50	0.11	8.2	6.5	5.4	4.7	4.1	3.6	3.3	2.7	2.3	2.0	1.8
TQ150-015-SS (100)	20	0.11	8.2	6.5	5.4	4.7	4.1	3.6	3.3	2.7	2.3	2.0	1.8
	25	0.12	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.0	2.5	2.2	2.0
	30	0.13	9.7	7.7	6.4	5.5	4.8	4.3	3.9	3.2	2.8	2.4	2.1
	40	0.15	11.1	8.9	7.4	6.4	5.6	5.0	4.5	3.7	3.2	2.8	2.5
	50	0.17	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.2	3.6	3.2	2.8
TQ150-02-SS (100)	20	0.14	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.5	3.0	2.6	2.3
	25	0.16	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.0	3.4	3.0	2.6
	30	0.17	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.2	3.6	3.2	2.8
	40	0.20	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.0	4.2	3.7	3.3
	50	0.22	16.3	13.1	10.9	9.3	8.2	7.3	6.5	5.4	4.7	4.1	3.6
TQ150-03-SS (100)	20	0.21	15.6	12.5	10.4	8.9	7.8	6.9	6.2	5.2	4.5	3.9	3.5
	25	0.24	17.8	14.3	11.9	10.2	8.9	7.9	7.1	5.9	5.1	4.5	4.0
	30	0.26	19.3	15.4	12.9	11.0	9.7	8.6	7.7	6.4	5.5	4.8	4.3
	40	0.30	22	17.8	14.9	12.7	11.1	9.9	8.9	7.4	6.4	5.6	5.0
	50	0.34	25	20	16.8	14.4	12.6	11.2	10.1	8.4	7.2	6.3	5.6
TQ150-04-SS (50)	20	0.28	21	16.6	13.9	11.9	10.4	9.2	8.3	6.9	5.9	5.2	4.6
	25	0.32	24	19.0	15.8	13.6	11.9	10.6	9.5	7.9	6.8	5.9	5.3
	30	0.35	26	21	17.3	14.9	13.0	11.6	10.4	8.7	7.4	6.5	5.8
	40	0.40	30	24	19.8	17.0	14.9	13.2	11.9	9.9	8.5	7.4	6.6
	50	0.45	33	27	22	19.1	16.7	14.9	13.4	11.1	9.5	8.4	7.4
TQ150-05-SS (50)	20	0.35	26	21	17.3	14.9	13.0	11.6	10.4	8.7	7.4	6.5	5.8
	25	0.40	30	24	19.8	17.0	14.9	13.2	11.9	9.9	8.5	7.4	6.6
	30	0.43	32	26	21	18.2	16.0	14.2	12.8	10.6	9.1	8.0	7.1
	40	0.50	37	30	25	21	18.6	16.5	14.9	12.4	10.6	9.3	8.3
	50	0.56	42	33	28	24	21	18.5	16.6	13.9	11.9	10.4	9.2
TQ150-06-SS (50)	20	0.42	31	25	21	17.8	15.6	13.9	12.5	10.4	8.9	7.8	6.9
	25	0.47	35	28	23	19.9	17.4	15.5	14.0	11.6	10.0	8.7	7.8
	30	0.52	39	31	26	22	19.3	17.2	15.4	12.9	11.0	9.7	8.6
	40	0.60	45	36	30	25	22	19.8	17.8	14.9	12.7	11.1	9.9
	50	0.67	50	40	33	28	25	22	19.9	16.6	14.2	12.4	11.1
TQ150-08-SS (50)	20	0.57	42	34	28	24	21	18.8	16.9	14.1	12.1	10.6	9.4
	25	0.63	47	37	31	27	23	21	18.7	15.6	13.4	11.7	10.4
	30	0.69	51	41	34	29	26	23	20	17.1	14.6	12.8	11.4
	40	0.80	59	48	40	34	30	26	24	19.8	17.0	14.9	13.2
	50	0.89	66	53	44	38	33	29	26	22	18.9	16.5	14.7
TQ150-09-SS (50)	20	0.64	48	38	32	27	24	21	19.0	15.8	13.6	11.9	10.6
	25	0.71	53	42	35	30	26	23	21	17.6	15.1	13.2	11.7
	30	0.78	58	46	39	33	29	26	23	19.3	16.5	14.5	12.9
	40	0.90	67	53	45	38	33	30	27	22	19.1	16.7	14.9
	50	1.01	75	60	50	43	37	33	30	25	21	18.7	16.7

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F. See technical information (pages 179–202) for useful formulas and other technical information.

RECOMMENDED PRESSURE RANGE



20–50 PSI

MATERIALS AVAILABLE



STAINLESS STEEL



BRASS

HOW TO ORDER

Stainless Steel

T Q 1 5 0 - 0 3 - S S
 Tip Type Capacity Size Material Code

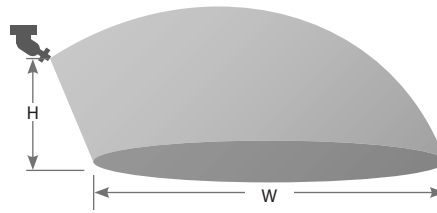
Brass

T Q 1 5 0 - 0 1
 Tip Type Capacity Size

Off-Center Flat Spray (Smaller Capacities) - TeeJet

TeeJet Off-Center spray tips are commonly installed in double and single swivel nozzle bodies. Because these bodies are adjustable for angular position, a wide spray swath is easily obtained.

See page 140 for swivels and hose drops.



TIP PART NO. (STRAINER MESH SIZE)	PSI	CAPACITY ONE TIP IN GPM	HEIGHT = 18"					HEIGHT = 24"				
			"W" INCHES	GALLONS PER ACRE (GPA)				"W" INCHES	GALLONS PER ACRE (GPA)			
				3 MPH	4 MPH	5 MPH	6 MPH		3 MPH	4 MPH	5 MPH	6 MPH
OC-01 (100)	30	0.087	58	3.0	2.2	1.8	1.5	65	2.7	2.0	1.6	1.3
	40	0.10	60	3.3	2.5	2.0	1.7	67	3.0	2.2	1.8	1.5
	60	0.12	62	3.8	2.9	2.3	1.9	69	3.4	2.6	2.1	1.7
OC-02 (50)	30	0.17	68	5.0	3.7	3.0	2.5	75	4.5	3.4	2.7	2.2
	40	0.20	70	5.7	4.2	3.4	2.8	77	5.1	3.9	3.1	2.6
	60	0.24	72	6.6	5.0	4.0	3.3	78	6.1	4.6	3.7	3.0
OC-03 (50)	30	0.26	77	6.7	5.0	4.0	3.3	80	6.4	4.8	3.9	3.2
	40	0.30	80	7.4	5.6	4.5	3.7	83	7.2	5.4	4.3	3.6
	60	0.37	82	8.9	6.7	5.4	4.5	85	8.6	6.5	5.2	4.3
OC-04 (50)	30	0.35	91	7.6	5.7	4.6	3.8	93	7.5	5.6	4.5	3.7
	40	0.40	93	8.5	6.4	5.1	4.3	94	8.4	6.3	5.1	4.2
	60	0.49	94	10.3	7.7	6.2	5.2	95	10.2	7.7	6.1	5.1
OC-06 (50)	30	0.52	99	10.4	7.8	6.2	5.2	108	9.5	7.2	5.7	4.8
	40	0.60	101	11.8	8.8	7.1	5.9	110	10.8	8.1	6.5	5.4
	60	0.73	102	14.2	10.6	8.5	7.1	111	13.0	9.8	7.8	6.5
OC-08 (50)	30	0.69	100	13.7	10.2	8.2	6.8	110	12.4	9.3	7.5	6.2
	40	0.80	102	15.5	11.6	9.3	7.8	112	14.1	10.6	8.5	7.1
	60	0.98	104	18.7	14.0	11.2	9.3	113	17.2	12.9	10.3	8.6
OC-12	30	1.04	102	20	15.1	12.1	10.1	113	18.2	13.7	10.9	9.1
	40	1.20	104	23	17.1	13.7	11.4	115	21	15.5	12.4	10.3
	60	1.47	105	28	21	16.6	13.9	116	25	18.8	15.1	12.5
OC-16	30	1.39	132	21	15.6	12.5	10.4	142	19.4	14.5	11.6	9.7
	40	1.60	138	23	17.2	13.8	11.5	146	22	16.3	13.0	10.8
	60	1.96	143	27	20	16.3	13.6	148	26	19.7	15.7	13.1

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F. See technical information (pages 179–202) for useful formulas and other technical information.

RECOMMENDED PRESSURE RANGE



30–60 PSI

MATERIALS AVAILABLE



STAINLESS STEEL



BRASS

HOW TO ORDER

Brass

OC - 0 2
Tip Type Capacity Size

Stainless Steel

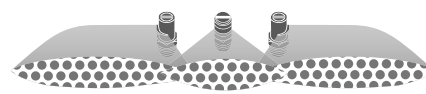
OC - S S 0 6
Tip Type Material Code Capacity Size

Boomless Flat Spray - XP BoomJet

Typical Applications



SPRAY PATTERN



Note: The addition of the middle nozzle is one option of configuration. XP BoomJet can be used with TurfJet (1/4TTJ) found on pages 52-53.

HOW TO ORDER

Polymer with VisiFlo® color-coding

(B) 1 / 2 X P 8 0 L (R) - V P

BSPT Thread Tip Type Capacity Size Left or Right Boom Spray Material Code

DROPLET SIZE CLASSIFICATION



RECOMMENDED PRESSURE RANGE



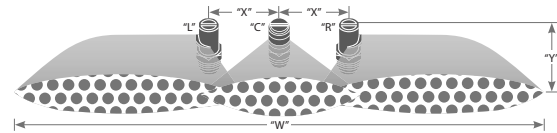
MATERIALS AVAILABLE



Features:

- Unique orifice geometry produces a wide spray pattern while maintaining superior distribution across entire width.
- Pre-orifice design minimizes drift.
- Extra wide spray pattern -- up to 18.5' -- using a single nozzle
- Removable polymer pre-orifice
- NPT or BSPT (male) threads for easy installation.

Mounting note: Position nozzle horizontal to ground with spray pattern down and to the side.

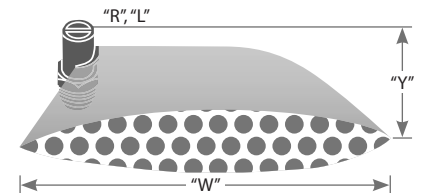


TIP PART NO. "R", "L"	CENTER NOZZLE "C"		PSI	DROPSIZE	CAPACITYTHREE NOZZLESIN GPM	SPRAY WIDTH "W" (FEET)	"X" = APPLICATION RATE FOR 20" SPRAY NOZZLE SPACING																					
							HEIGHT "Y" = 24"										HEIGHT "Y" = 36"											
							GALLONS PER ACRE (GPA) FOR THREE NOZZLES										TURF APPLICATION GALLONS PER 1000 SQ. FT.											
							GALLONS PER ACRE (GPA) FOR THREE NOZZLES										TURF APPLICATION GALLONS PER 1000 SQ. FT.											
						4"	6"	8"	10"	15"	20"	2"	3"	4"	5"	4"	6"	8"	10"	15"	20"	2"	3"	4"	5"			
						MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH	MPH			
(B)1/4XP10R (B)1/4XP10L	1/4TTJ08	30	UC	2.43	23.3	25.3	12.9	8.6	6.5	5.2	3.4	2.6	0.59	0.39	0.30	0.24	11.9	7.9	5.9	4.8	3.2	2.4	0.54	0.36	0.27	0.22		
		40	XC	2.80	25.3	28.3	13.7	9.1	6.8	5.5	3.7	2.7	0.63	0.42	0.31	0.25	12.2	8.2	6.1	4.9	3.3	2.4	0.56	0.37	0.28	0.22		
		50	XC	3.13	28.3	30.3	13.7	9.1	6.8	5.5	3.6	2.7	0.63	0.42	0.31	0.25	12.8	8.5	6.4	5.1	3.4	2.6	0.59	0.39	0.29	0.23		
(B)1/4XP20R (B)1/4XP20L	1/4TTJ08	30	XC	3.42	29.3	32.3	14.4	9.6	7.2	5.8	3.9	2.9	0.66	0.44	0.33	0.26	13.1	8.7	6.6	5.2	3.5	2.6	0.60	0.40	0.30	0.24		
		40	XC	4.19	26.3	27.3	19.7	13.1	9.9	7.9	5.3	3.9	0.90	0.60	0.45	0.36	19.0	12.7	9.5	7.6	5.1	3.8	0.87	0.58	0.43	0.35		
		50	XC	4.80	30.3	31.3	19.6	13.1	9.8	7.8	5.2	3.9	0.90	0.60	0.45	0.36	19.0	12.7	9.5	7.6	5.1	3.8	0.87	0.58	0.43	0.35		
(B)1/4XP25R (B)1/4XP25L	1/4TTJ10	30	XC	5.39	32.3	33.3	21	13.8	10.3	8.3	5.5	4.1	0.95	0.63	0.47	0.38	20	13.4	10.0	8.0	5.3	4.0	0.92	0.61	0.46	0.37		
		40	XC	5.98	33.3	35.3	22	14.8	11.1	8.9	5.9	4.5	1.0	0.68	0.51	0.41	21	14.0	10.5	8.4	5.6	4.2	0.96	0.64	0.48	0.38		
		50	UC	5.13	27.3	30.3	23	15.5	11.6	9.3	6.2	4.7	1.1	0.71	0.53	0.43	21	14.0	10.5	8.4	5.6	4.2	0.96	0.64	0.48	0.38		
(B)1/2XP40R (B)1/2XP40L	1/4TTJ15	30	UC	6.00	30.3	32.3	25	16.3	12.3	9.8	6.5	4.9	1.1	0.75	0.56	0.45	23	15.3	11.5	9.2	6.1	4.6	1.1	0.70	0.53	0.42		
		40	XC	6.62	32.3	33.3	25	16.9	12.7	10.1	6.8	5.1	1.2	0.77	0.58	0.46	25	16.4	12.3	9.8	6.6	4.9	1.1	0.75	0.56	0.45		
		50	XC	7.22	33.3	35.3	27	17.9	13.4	10.7	7.2	5.4	1.2	0.82	0.61	0.49	25	16.9	12.7	10.1	6.7	5.1	1.2	0.77	0.58	0.46		
(B)1/2XP40R (B)1/2XP40L	1/4TTJ15	30	XC	8.36	29.3	32.3	35	24	17.7	14.1	9.4	7.1	1.6	1.1	0.81	0.65	32	21	16.0	12.8	8.5	6.4	1.5	0.98	0.73	0.59		
		40	UC	9.50	31.3	34.3	38	25	18.8	15.0	10.0	7.5	1.7	1.1	0.86	0.69	34	23	17.1	13.7	9.1	6.9	1.6	1.0	0.78	0.63		
		50	UC	10.8	33.3	35.3	40	27	20	16.1	10.7	8.0	1.8	1.2	0.89	0.71	38	25	18.9	15.1	10.1	7.6	1.7	1.2	0.87	0.69		
(B)1/2XP40R (B)1/2XP40L	1/4TTJ15	60	UC	11.8	35.3	38.3	41	28	21	16.5	11.0	8.3	1.9	1.3	0.95	0.76	38	25	19.1	15.3	10.2	7.6	1.7	1.2	0.87	0.70		

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70 ° F. When XP BoomJet is combined with 1/4TTJ nozzle the minimum pressure used must be 30 PSI

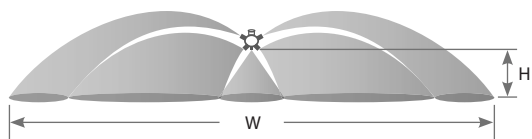
(B) = BSPT

For lower chart only, application rates are identical for a two-tip setup. Swath wide and flow capacity will be doubled for a two-tip setup



TIP PART NO.		PSI	DROPSIZE	CAPACITY ONE NOZZLE IN GPM	SPRAY WIDTH "W" (FEET)		HEIGHT "Y" = 24"										HEIGHT "Y" = 36"									
					24" HEIGHT	36" HEIGHT	GALLONS PER ACRE (GPA) FOR ONE NOZZLE						TURF APPLICATION GALLONS PER 1000 SQ. FT.				GALLONS PER ACRE (GPA) FOR ONE NOZZLE						TURF APPLICATION GALLONS PER 1000 SQ. FT.			
							4	6	8	10	15	20	2	3	4	5	4	6	8	10	15	20	2	3	4	5
(B)1/4XP10R (B)1/4XP10L	20	UC	0.71	8.5	10.0	10.3	6.9	5.2	4.1	2.8	2.1	0.47	0.32	0.24	0.19	8.8	5.9	4.4	3.5	2.3	1.8	0.40	0.27	0.20	0.16	
	30	UC	0.87	10.0	11.0	10.8	7.2	5.4	4.3	2.9	2.2	0.49	0.33	0.25	0.20	9.8	6.5	4.9	3.9	2.6	2.0	0.45	0.30	0.22	0.18	
	40	XC	1.00	11.0	12.5	11.3	7.5	5.6	4.5	3.0	2.3	0.52	0.34	0.26	0.21	9.9	6.6	5.0	4.0	2.6	2.0	0.45	0.30	0.23	0.18	
	50	XC	1.12	12.5	13.5	11.1	7.4	5.5	4.4	3.0	2.2	0.51	0.34	0.25	0.20	10.3	6.8	5.1	4.1	2.7	2.1	0.47	0.31	0.24	0.19	
(B)1/4XP20R (B)1/4XP20L	60	XC	1.22	13.0	14.5	11.6	7.7	5.8	4.6	3.1	2.3	0.53	0.35	0.27	0.21	10.4	6.9	5.2	4.2	2.8	2.1	0.48	0.32	0.24	0.19	
	20	UC	1.42	9.0	11.0	19.5	13.0	9.8	7.8	5.2	3.9	0.89	0.60	0.45	0.36	16.0	10.7	8.0	6.4	4.3	3.2	0.73	0.49	0.37	0.29	
	30	UC	1.75	11.5	12.0	18.8	12.6	9.4	7.5	5.0	3.8	0.86	0.57	0.43	0.34	18.0	12.0	9.0	7.2	4.8	3.6	0.83	0.55	0.41	0.33	
	40	UC	2.00	13.5	14.0	18.3	12.2	9.2	7.3	4.9	3.7	0.84	0.56	0.42	0.34	17.7	11.8	8.8	7.1	4.7	3.5	0.81	0.54	0.40	0.32	
(B)1/4XP25R (B)1/4XP25L	50	XC	2.25	14.5	15.0	19.2	12.8	9.6	7.7	5.1	3.8	0.88	0.59	0.44	0.35	18.6	12.4	9.3	7.4	5.0	3.7	0.85	0.57	0.43	0.34	
	60	XC	2.50	15.0	16.0	21	13.8	10.3	8.3	5.5	4.1	0.94	0.63	0.47	0.38	19.3	12.9	9.7	7.7	5.2	3.9	0.89	0.59	0.44	0.35	
	20	UC	1.74	10.5	11.0	21	13.7	10.3	8.2	5.5	4.1	0.94	0.63	0.47	0.38	19.6	13.1	9.8	7.8	5.2	3.9	0.90	0.60	0.45	0.36	
	30	UC	2.13	12.0	13.5	22	14.6	11.0	8.8	5.9	4.4	1.0	0.67	0.50	0.40	19.5	13.0	9.8	7.8	5.2	3.9	0.89	0.60	0.45	0.36	
(B)1/2XP40R (B)1/2XP40L	40	UC	2.50	13.5	14.5	23	15.3	11.5	9.2	6.1	4.6	1.0	0.70	0.52	0.42	21	14.2	10.7	8.5	5.7	4.3	0.98	0.65	0.49	0.39	
	50	XC	2.75	14.5	15.0	23	15.6	11.7	9.4	6.3	4.7	1.1	0.72	0.54	0.43	23	15.1	11.3	9.1	6.1	4.5	1.0	0.69	0.52	0.42	
	60	XC	3.00	15.0	16.0	25	16.5	12.4	9.9	6.6	5.0	1.1	0.76	0.57	0.45	23	15.5	11.6	9.3	6.2	4.6	1.1	0.71	0.53	0.43	
	20	UC	2.87	11.0	12.0	32	22	16.1	12.9	8.6	6.5	1.5	0.99	0.74	0.59	30	19.7	14.8	11.8	7.9	5.9	1.4	0.90	0.68	0.54	
(B)1/2XP40R (B)1/2XP40L	30	UC	3.53	13.0	14.5	34	22	16.8	13.4	9.0	6.7	1.5	1.0	0.77	0.62	30	20	15.1	12.1	8.0	6.0	1.4	0.92	0.69	0.55	
	40	UC	4.00	14.0	15.5	35	24	17.7	14.1	9.4	7.1	1.6	1.1	0.81	0.65	32	21	16.0	12.8	8.5	6.4	1.5	0.97	0.73	0.58	
	50	UC	4.55	15.0	16.0	38	25	18.8	15.0	10.0	7.5	1.7	1.1	0.86	0.69	35	23	17.6	14.1	9.4	7.0	1.6	1.1	0.81	0.64	
	60	UC	5.00	16.0	17.5	39	26	19.3	15.5	10.3	7.7	1.8	1.2	0.89	0.71	35	24	17.7	14.1	9.4	7.1	1.6	1.1	0.81	0.65	
(B)1/2XP80R (B)1/2XP80L	20	UC	5.60	13.0	15.5	53	36	27	21	14.2	10.7	2.4	1.6	1.2	0.98	45	30	22	17.9	11.9	8.9	2.0	1.4	1.0	0.82	
	30	UC	6.83	15.0	16.5	56	38	28	23	15.0	11.3	2.6	1.7	1.3	1.0	51	34	26	20	13.7	10.2	2.3	1.6	1.2	0.94	
	40	UC	8.00	16.0	17.5	62	41	31	25	16.5	12.4	2.8	1.9	1.4	1.1	57	38	28	23	15.1	11.3	2.6	1.7	1.3	1.0	
	50	UC	8.73	16.5	18.0	65	44	33	26	17.5	13.1	3.0	2.0	1.5	1.2	60	40	30	24	16.0	12.0	2.7	1.8	1.4	1.1	
(B)1/2XP80R (B)1/2XP80L	60	UC	9.60	17.5	18.5	68	45	34	27	18.1	13.6	3.1	2.1	1.6	1.2	64	43	32	26	17.1	12.8	2.9	2.0	1.5	1.1	

BoomLess Nozzle With Extra - Wide Flat Spray Projection - BoomJet



W = Maximum effective coverage with nozzle mounted at 36" height.



5880-3/4 NPT Female

Back inlet connection.



5430-3/4 NPT

TIP PART NO.					GPM	"W" (FEET)	GALLONS PER ACRE (GPA)					TURF APPLICATION GALLONS PER 1000 SQ. FT.			
							4 MPH	5 MPH	7.5 MPH	10 MPH	15 MPH	2 MPH	3 MPH	4 MPH	5 MPH
5430-3/4-2TOC06 5880-3/4-2TOC06	6733-OC06	H1/4VV-1506	H1/4VVL-9502 with 50 mesh strainer	20	1.84	33.5	6.8	5.4	3.6	2.7	1.8	0.31	0.21	0.16	0.12
				30	2.25	34	8.2	6.6	4.4	3.3	2.2	0.38	0.25	0.19	0.15
				40	2.60	34.5	9.3	7.5	5.0	3.7	2.5	0.43	0.28	0.21	0.17
5430-3/4-2TOC10 5880-3/4-2TOC10	OC-10	H1/4U-0508HE	H1/4VVL-11004 with 50 mesh strainer	20	2.83	39.5	8.9	7.1	4.7	3.5	2.4	0.41	0.27	0.20	0.16
				30	3.46	40	10.7	8.6	5.7	4.3	2.9	0.49	0.33	0.25	0.20
				40	4.00	40.5	12.2	9.8	6.5	4.9	3.3	0.56	0.37	0.28	0.22
5430-3/4-2TOC20 5880-3/4-2TOC20	OC-20	H1/4U-0520HE	H1/4VVL-9506 with 50 mesh strainer	20	6.08	47	16.0	12.8	8.5	6.4	4.3	0.73	0.49	0.37	0.29
				30	7.45	50	18.4	14.8	9.8	7.4	4.9	0.84	0.56	0.42	0.34
				40	8.60	52	20	16.4	10.9	8.2	5.5	0.94	0.62	0.47	0.37
5430-3/4-2TOC40 5880-3/4-2TOC40	OC-40	H1/4U-0540HE	H1/4U-9510	20	12.0	56	27	21	14.1	10.6	7.1	1.2	0.81	0.61	0.49
				30	14.7	60	30	24	16.2	12.1	8.1	1.4	0.93	0.69	0.56
				40	17.0	63	33	27	17.8	13.4	8.9	1.5	1.0	0.76	0.61

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F. See technical information (pages 179–202) for useful formulas and other technical information.

HOW TO ORDER

- Maximum operating pressure is 300 PSI.

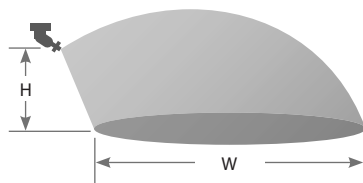
5 8 8 0 - 3 / 4 - 2 T O C 0 6

TeeJet®

SWIVEL SPRAY NOZZLES WITH OFF-CENTER FLAT SPRAY - LARGER CAPACITIES

EXTRA-WIDE FLAT SPRAY COVERAGE

W = Maximum effective coverage with nozzle mounted at 36" height.



HOW TO ORDER

4 6 2 9 - 3 / 4 - T O C 1 0

Brass



Type 4629-3/4-TOC Single Swivel
with 3/4" NPT (F) pipe connection. Brass.



Type 4418-3/4-2TOC Double Swivel
with 3/4" NPT (F) pipe connection. Brass.

TIP PART NO.		GPM	"W" (FEET)	HEIGHT = 36"		
				GALLONS PER ACRE (GPA)		
				5 MPH	10 MPH	15 MPH
4629-3/4-TOC10	30	0.87	18	4.8	2.4	1.6
	40	1.00	18.5	5.4	2.7	1.8
	60	1.22	18.5	6.5	3.3	2.2
4629-3/4-TOC20	30	1.73	23.5	7.3	3.6	2.4
	40	2.00	24.5	8.1	4.0	2.7
	60	2.45	24.5	9.9	5.0	3.3
4629-3/4-TOC40	30	3.46	26	13.2	6.6	4.4
	40	4.00	27	14.7	7.3	4.9
	60	4.90	27	18.0	9.0	6.0
4629-3/4-TOC80	30	6.93	29	24	11.8	7.9
	40	8.00	30	26	13.2	8.8
	60	9.80	30	32	16.2	10.8
4629-3/4-TOC150	30	13.0	30.5	42	21	14.1
	40	15.0	31.5	47	24	15.7
	60	18.4	31.5	58	29	19.3
4629-3/4-TOC300	30	26.0	32	80	40	27
	40	30.0	33	90	45	30
	60	36.7	33.5	108	54	36

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F. See technical information (pages 179–202) for useful formulas and other technical information.

BoomLess Nozzles With Extra - Wide Flat Spray Projection - FieldJet

Typical Applications



HERBICIDE
SOIL APPLIED
EXCELLENT
SYSTEMIC
EXCELLENT



FERTILIZER
BROADCAST
EXCELLENT



DRIFT CONTROL
EXCELLENT



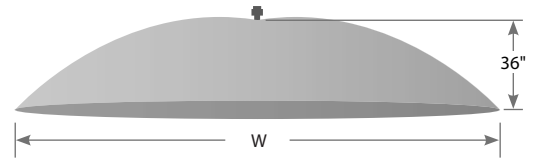
Type 1/4KLC
1/4" NPT male pipe connections

FEATURES

- The KLC FieldJet nozzle is typically used to spray areas not accessible with a boom sprayer.
- Its one-piece nozzle design projects spray to both sides to form a wide swath flat spray.

- The round orifice minimizes clogging.
- Uniformity across the swath is not as good as with a properly operated boom sprayer.*

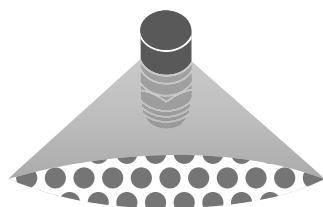
*Uniformity can be optimized by double overlapping spray swaths on successive sprayer passes. Remember, this also doubles the application volume.



TIP PART NO.	PSI	CAPACITY ONE NOZZLE IN GPM	"W" (FEET)	GALLONS PER ACRE (GPA)				TURF APPLICATION GALLONS PER 1000 SQ. FT.			
				3 MPH	4 MPH	5 MPH	8 MPH	3 MPH	4 MPH	5 MPH	8 MPH
1/4KLC-5	20	0.71	17	6.9	5.2	4.1	2.6	.16	.12	.09	.06
	30	0.87	18	8.0	6.0	4.8	3.0	.18	.14	.11	.07
	40	1.00	21	7.9	5.9	4.7	2.9	.18	.13	.11	.07
1/4KLC-9	20	1.27	18	11.6	8.7	7.0	4.4	.27	.20	.16	.10
	30	1.56	19	13.5	10.2	8.1	5.1	.31	.23	.19	.12
	40	1.80	21	14.1	10.6	8.5	5.3	.32	.24	.19	.12
1/4KLC-18	20	2.55	20	21	15.8	12.6	7.9	.48	.36	.29	.18
	30	3.12	21	25	18.4	14.7	9.2	.56	.42	.34	.21
	40	3.60	22	27	20	16.2	10.1	.62	.46	.37	.23
1/4KLC-36	20	5.09	22	38	29	23	14.3	.87	.66	.52	.33
	30	6.24	24	43	32	26	16.1	.98	.74	.59	.37
	40	7.20	26	46	34	27	17.1	1.0	.78	.63	.39

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F. See technical information (pages 179–202) for useful formulas and other technical information.

SPRAY PATTERN



MATERIALS AVAILABLE

- SS** STAINLESS STEEL
- B** BRASS

HOW TO ORDER

Stainless Steel

1 / 4 K L C - S S 1 8

Tip
Type

Material
Code

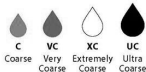
Capacity
Size

Extended Even Boomless Spray - XE TeeJet

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

VP POLYMER

Typical Applications



HERBICIDE
SOIL APPLIED
EXCELLENT
SYSTEMIC
EXCELLENT



FUNGICIDE
SYSTEMIC
GOOD



INSECTICIDE
SYSTEMIC
GOOD



FERTILIZER
BROADCAST
EXCELLENT



DRIFT CONTROL
EXCELLENT



HOW TO ORDER

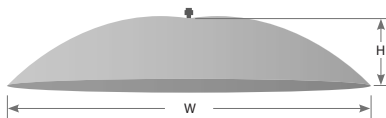
Polymer with VisiFlo® color-coding

X E 1 5 0 0 8 - V P

Tip Type Spray Angle Capacity Size Material Code

Features:

- Wide, even spray pattern allows fewer passes through the field and the ability to cover more area with each pass.
- XE TeeJet Tip can be used in a wide variety of applications -- fruits & vegetables, greenhouses, home gardens, urban pest control, sugar cane and flowers.
- Designed for use in hand-held and boomless sprayer applications
- Optimal use at low pressure
- Optimum spray height of 20" and optimum spray pressure at 30 PSI
- Removable pre-orifice for cleaning
- Acetal polymer material for durability.
- Available in four VisiFlo polymer (VP) capacities. Can be used with 114445A-*CLER Quick TeeJet cap and gasket, CP8027-NYB nylon threaded cap, and CP1325 brass threaded cap.



TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	SPRAY WIDTH "W" (FEET)		HEIGHT "Y" = 24"										HEIGHT "Y" = 36"									
						24" HEIGHT					36" HEIGHT					24" HEIGHT					36" HEIGHT				
						GALLONS PER ACRE (GPA)	TURF APP. GALLONS PER 1000 SQ. FT.	GALLONS PER ACRE (GPA)	TURF APP. GALLONS PER 1000 SQ. FT.	GALLONS PER ACRE (GPA)	TURF APP. GALLONS PER 1000 SQ. FT.	GALLONS PER ACRE (GPA)	TURF APP. GALLONS PER 1000 SQ. FT.	GALLONS PER ACRE (GPA)	TURF APP. GALLONS PER 1000 SQ. FT.	GALLONS PER ACRE (GPA)	TURF APP. GALLONS PER 1000 SQ. FT.	GALLONS PER ACRE (GPA)	TURF APP. GALLONS PER 1000 SQ. FT.	GALLONS PER ACRE (GPA)	TURF APP. GALLONS PER 1000 SQ. FT.	GALLONS PER ACRE (GPA)	TURF APP. GALLONS PER 1000 SQ. FT.	GALLONS PER ACRE (GPA)	TURF APP. GALLONS PER 1000 SQ. FT.
						3 MPH	4 MPH	6 MPH	8 MPH	10 MPH	12 MPH	2 MPH	3 MPH	4 MPH	5 MPH	3 MPH	4 MPH	6 MPH	8 MPH	10 MPH	12 MPH	2 MPH	3 MPH	4 MPH	5 MPH
XE15002-VP (50)	10	UC	0.10	4.9	5.6	3.3	2.5	1.7	1.3	1.0	0.84	0.11	0.08	0.06	0.05	2.9	2.2	1.5	1.1	0.88	0.74	0.10	0.07	0.05	0.04
	15	UC	0.12	6.2	7.2	3.2	2.4	1.6	1.2	1.0	0.81	0.11	0.07	0.06	0.04	2.8	2.1	1.4	1.0	0.84	0.70	0.10	0.06	0.05	0.04
	20	XC	0.14	7.5	8.2	3.1	2.3	1.5	1.2	0.93	0.77	0.11	0.07	0.05	0.04	2.8	2.1	1.4	1.1	0.85	0.71	0.10	0.07	0.05	0.04
	30	XC	0.17	9.2	10.5	3.1	2.3	1.6	1.2	0.93	0.78	0.11	0.07	0.05	0.04	2.7	2.0	1.4	1.0	0.82	0.68	0.09	0.06	0.05	0.04
	40	VC	0.20	10.8	12.5	3.1	2.3	1.5	1.1	0.92	0.76	0.10	0.07	0.05	0.04	2.7	2.0	1.3	1.0	0.80	0.66	0.09	0.06	0.05	0.04
	50	VC	0.22	11.8	13.8	3.1	2.4	1.6	1.2	0.94	0.78	0.11	0.07	0.05	0.04	2.7	2.0	1.3	1.0	0.81	0.67	0.09	0.06	0.05	0.04
XE15004-VP (50)	60	VC	0.25	12.5	14.8	3.3	2.4	1.6	1.2	0.98	0.81	0.11	0.07	0.06	0.04	2.7	2.1	1.4	1.0	0.82	0.69	0.09	0.06	0.05	0.04
	10	UC	0.21	6.2	8.2	5.7	4.3	2.8	2.1	1.7	1.4	0.19	0.13	0.10	0.08	4.3	3.2	2.2	1.6	1.3	1.1	0.15	0.10	0.07	0.06
	15	UC	0.26	8.5	10.8	5.0	3.7	2.5	1.9	1.5	1.2	0.17	0.11	0.09	0.07	3.9	2.9	2.0	1.5	1.2	0.98	0.13	0.09	0.07	0.05
	20	XC	0.29	9.8	11.8	4.9	3.7	2.4	1.8	1.5	1.2	0.17	0.11	0.08	0.07	4.1	3.1	2.0	1.5	1.2	1.0	0.14	0.09	0.07	0.06
	30	XC	0.35	12.1	14.1	4.8	3.6	2.4	1.8	1.4	1.2	0.16	0.11	0.08	0.07	4.1	3.1	2.1	1.5	1.2	1.0	0.14	0.09	0.07	0.06
	40	VC	0.40	13.8	15.7	4.8	3.6	2.4	1.8	1.4	1.2	0.16	0.11	0.08	0.07	4.2	3.1	2.1	1.6	1.3	1.0	0.14	0.10	0.07	0.06
XE15006-VP (50)	50	VC	0.44	14.4	16.7	5.1	3.8	2.5	1.9	1.5	1.3	0.17	0.12	0.09	0.07	4.4	3.3	2.2	1.6	1.3	1.1	0.15	0.10	0.07	0.06
	60	VC	0.48	15.4	17.4	5.1	3.9	2.6	1.9	1.5	1.3	0.18	0.12	0.09	0.07	4.6	3.4	2.3	1.7	1.4	1.1	0.16	0.10	0.08	0.06
	10	UC	0.30	7.9	9.2	6.3	4.7	3.1	2.4	1.9	1.6	0.22	0.14	0.11	0.09	5.4	4.0	2.7	2.0	1.6	1.3	0.18	0.12	0.09	0.07
	15	UC	0.37	9.5	11.8	6.4	4.8	3.2	2.4	1.9	1.6	0.22	0.15	0.11	0.09	5.1	3.8	2.6	1.9	1.5	1.3	0.18	0.12	0.09	0.07
	20	UC	0.42	11.2	13.5	6.3	4.7	3.1	2.4	1.9	1.6	0.22	0.14	0.11	0.09	5.2	3.9	2.6	2.0	1.6	1.3	0.18	0.12	0.09	0.07
	30	XC	0.52	13.1	15.1	6.5	4.9	3.3	2.5	2.0	1.6	0.22	0.15	0.11	0.09	5.7	4.3	2.8	2.1	1.7	1.4	0.20	0.13	0.10	0.08
XE15008-VP (50)	40	VC	0.60	14.1	16.1	7.0	5.3	3.5	2.6	2.1	1.8	0.24	0.16	0.12	0.10	6.2	4.6	3.1	2.3	1.8	1.5	0.21	0.14	0.11	0.08
	50	VC	0.67	15.1	17.1	7.3	5.5	3.7	2.7	2.2	1.8	0.25	0.17	0.13	0.10	6.5	4.9	3.2	2.4	1.9	1.6	0.22	0.15	0.11	0.09
	60	C	0.73	16.1	18.0	7.5	5.7	3.8	2.8	2.3	1.9	0.26	0.17	0.13	0.10	6.7	5.0	3.4	2.5	2.0	1.7	0.23	0.15	0.12	0.09
	10	UC	0.40	8.5	11.5	7.8	5.8	3.9	2.9	2.3	1.9	0.27	0.18	0.13	0.11	5.8	4.3	2.9	2.2	1.7	1.4	0.20	0.13	0.10	0.08
	15	UC	0.49	11.2	12.8	7.3	5.5	3.6	2.7	2.2	1.8	0.25	0.17	0.13	0.10	6.3	4.8	3.2	2.4	1.9	1.6	0.22	0.15	0.11	0.09
	20	UC	0.57	12.1	14.1	7.7	5.8	3.9	2.9	2.3	1.9	0.26	0.18	0.13	0.11	6.6	5.0	3.3	2.5	2.0	1.7	0.23	0.15	0.11	0.09

Air Induction Even Flat Spray - AI TeeJet

Typical Applications



SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

HEIGHT	65°	95°	20"	30"
8"	6"	4"	2.50	3.75
10"	8"	5"	2.00	3.00
12"	9"	5"	1.67	2.50
15"	12"	7"	1.33	2.00

To find GPA on the spray band, multiply the tabulated l/ha from the following page for row spacing by the conversion factors above.

Example:
• Band Width = 8" (Conversion Factor = 3.75)
• AI9501SEVS at 40 PSI at 5 MPH = 5.9 GPA
• Corrected GPA = 5.9 x 3.75 = 22.1 GPA

RECOMMENDED PRESSURE RANGE



HOW TO ORDER

Polymer with VisiFlo color-coding

A I 9 5 0 4 E V S

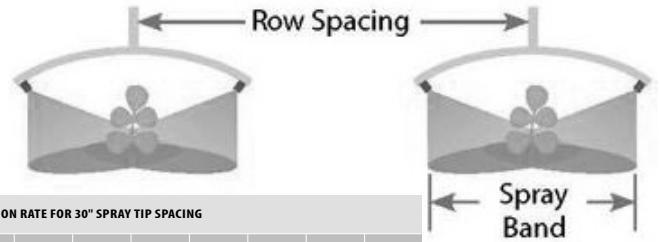
Tip Type Capacity Size Material Code Spray Pattern

MATERIALS AVAILABLE

VS STAINLESS STEEL

Features:

- ▶ Non-tapered flat spray pattern with a 65° or 95° angle providing even coverage without overlapping.
- ▶ Air-induction spray tip producing large air-filled droplets through the use of a Venturi air aspirator.
- ▶ Ideal for banding over the row or in row middles.
- ▶ Available with stainless steel insert, polymer holder and pre-orifice with VisiFlo color-coding in eight capacities for the AI65°.
- ▶ Automatic spray alignment with 114443A*-CLER Quick TeeJet cap and gasket.



TIP PART NO. (STRAINER MESH SIZE)		DROP SIZE		CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 30" SPRAY TIP SPACING											
		PSI	65° 95°			3 MPH	3.5 MPH	4 MPH	4.5 MPH	5 MPH	5.5 MPH	6 MPH	6.5 MPH	7 MPH	7.5 MPH	8 MPH	8.5 MPH
AI9501SEVS (100)	30	M		0.13	17	8.6	7.4	6.4	5.7	5.1	4.7	4.3	4.0	3.7	3.4	3.2	3.0
	40		C	0.15	19	9.9	8.5	7.4	6.6	5.9	5.4	5.0	4.6	4.2	4.0	3.7	3.5
	50		C	0.17	22	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
	60		C	0.18	23	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1	4.8	4.5	4.2
	70		C	0.20	26	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.7	5.3	5.0	4.7
	80		C	0.21	27	13.9	11.9	10.4	9.2	8.3	7.6	6.9	6.4	5.9	5.5	5.2	4.9
	90		C	0.23	29	15.2	13.0	11.4	10.1	9.1	8.3	7.6	7.0	6.5	6.1	5.7	5.4
AI6502SEVS AI9502SEVS (50)	100		C	0.24	31	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8	6.3	5.9	5.6
	30	UC	XC	0.17	22	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
	40	XC	XC	0.20	26	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.7	5.3	5.0	4.7
	50	XC	VC	0.22	28	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2	5.8	5.4	5.1
	60	VC	VC	0.24	31	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8	6.3	5.9	5.6
	70	VC	VC	0.26	33	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4	6.9	6.4	6.1
	80	VC	C	0.28	36	18.5	15.8	13.9	12.3	11.1	10.1	9.2	8.5	7.9	7.4	6.9	6.5
AI6502SEVS AI9502SEVS (50)	90	VC	C	0.30	38	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0
	100	C	C	0.32	41	21	18.1	15.8	14.1	12.7	11.5	10.6	9.7	9.1	8.4	7.9	7.5
	30	UC	XC	0.22	28	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2	5.8	5.4	5.1
	40	XC	XC	0.25	32	16.5	14.1	12.4	11.0	9.9	9.0	8.3	7.6	7.1	6.6	6.2	5.8
	50	XC	VC	0.28	36	18.5	15.8	13.9	12.3	11.1	10.1	9.2	8.5	7.9	7.4	6.9	6.5
	60	VC	VC	0.31	40	20	17.5	15.3	13.6	12.3	11.2	10.2	9.4	8.8	8.2	7.7	7.2
	70	VC	VC	0.33	42	22	18.7	16.3	14.5	13.1	11.9	10.9	10.1	9.3	8.7	8.2	7.7
AI6503SEVS AI9503SEVS (50)	80	VC	C	0.35	45	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9	9.2	8.7	8.2
	90	VC	C	0.38	49	25	21	18.8	16.7	15.0	13.7	12.5	11.6	10.7	10.0	9.4	8.9
	100	VC	C	0.40	51	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
	30	UC	XC	0.26	33	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4	6.9	6.4	6.1
	40	XC	XC	0.30	38	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0
	50	XC	VC	0.34	44	22	19.2	16.8	15.0	13.5	12.2	11.2	10.4	9.6	9.0	8.4	7.9
	60	VC	VC	0.37	47	24	21	18.3	16.3	14.7	13.3	12.2	11.3	10.5	9.8	9.2	8.6
AI6504SEVS AI9504SEVS (50)	70	VC	VC	0.40	51	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
	80	VC	C	0.42	54	28	24	21	18.5	16.6	15.1	13.9	12.8	11.9	11.1	10.4	9.8
	90	VC	C	0.45	58	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5
	100	VC	C	0.47	60	31	27	23	21	18.6	16.9	15.5	14.3	13.3	12.4	11.6	10.9
	30	UC	XC	0.35	45	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9	9.2	8.7	8.2
	40	XC	XC	0.40	51	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
	50	XC	VC	0.45	58	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5
AI6505SEVS AI9505SEVS (50)	60	VC	VC	0.49	63	32	28	24	22	19.4	17.6	16.2	14.9	13.9	12.9	12.1	11.4
	70	VC	VC	0.53	68	35	30	26	23	21	19.1	17.5	16.1	15.0	14.0	13.1	12.3
	80	VC	C	0.57	73	38	32	28	25	23	21	18.8	17.4	16.1	15.0	14.1	13.3
	90	C	C	0.60	77	40	34	30	26	24	22	19.8	18.3	17.0	15.8	14.9	14.0
	100	C	C	0.63	81	42	36	31	28	25	23	21	19.2	17.8	16.6	15.6	14.7
	30	UC	XC	0.43	55	28	24	21	18.9	17.0	15.5	14.2	13.1	12.2	11.4	10.6	10.0
	40	XC	XC	0.50	64	33	28	25	22	19.8	18.0	16.5	15.2	14.1	13.2	12.4	11.6
AI6506SEVS AI9506SEVS (50)	50	XC	VC	0.56	72	37	32	28	25	22	20	18.5	17.1	15.8	14.8	13.9	13.0
	60	XC	VC	0.61	78	40	35	30	27	24	22	20	18.6	17.3	16.1	15.1	14.2
	70	VC	VC	0.66	84	44	37	33	29	26	24	22	20	18.7	17.4	16.3	15.4
	80	VC	VC	0.71	91	47	40	35	31	28	26	23	22	20	18.7	17.6	16.5
	90	VC	C	0.75	96	50	42	37	33	30	27	25	23	21	19.8	18.6	17.5
	100	VC	C	0.79	101	52	45	39	35	31	28	26	24	22	21	19.6	18.4
	30	UC	UC	0.52	67	34	29	26	23	21	18.7	17.2	15.8	14.7	13.7	12.9	12.1
AI9508SEVS (50)	40	XC	XC	0.60	77	40	34	30	26	24	22	19.8	18.3	17.0	15.8	14.9	14.0
	50	XC	VC	0.67	86	44	38	33	29	27	24	22	20	19.0	17.7	16.6	15.6
	60	VC	VC	0.73	93	48	41	36	32	29	26	24	22	21	19.3	18.1	17.0
	70	XC	VC	0.79	101	52	45	39	35	31	28	26	24	22	21	19.6	18.4
	80	VC	VC	0.85	109	56	48	42	37	34	31	28	26	24	22	21	19.8
	90	VC	VC	0.90	115	59	51	45	40	36	32	30	27	25	24	22	21
	100	VC	C	0.95	122	63	54	47	42	38	34	31	29	27	25	24	22
AI9508SEVS (50)	30	UC	UC	0.69	88	46	39	34	30	27	25	23	21	19.5	18.2	17.1	16.1
	40	XC	XC	0.80	102	53	45	40	35	32	29	26	24	23	21	19.8	18.6
	50	XC	VC	0.89	114	59	50	44	39	35	32	29	27	25	23	22	21
	60	VC	VC	0.98	125	65	55	49	43	39	35	32	30	28	26	24	23
	70	VC	VC	1.06	136	70	60	52	47	42	38	35	32	30	28	26	25
	80	VC	VC	1.13	145	75	64	56	50	45	41	37	34	32	30	28	26
	90	VC	VC	1.20	154	79	68	59	53	48	43	40	37	34	32	30	28
100	C	C	1.26	161	83	71	62	55	50	45	42	38	36	33	31	29	

Drift Guard Even Flat Spray - DG TeeJet

Typical Applications



HERBICIDE
SOIL APPLIED
EXCELLENT
SYSTEMIC
EXCELLENT



FUNGICIDE
SYSTEMIC
GOOD



INSECTICIDE
SYSTEMIC
GOOD

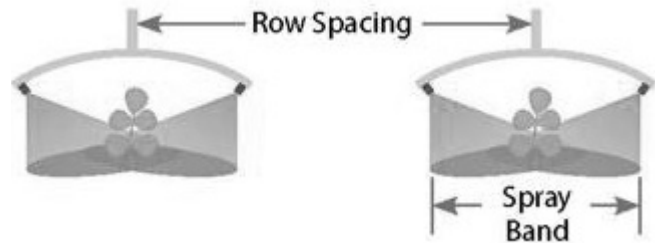


DRIFT CONTROL
VERY GOOD



Features:

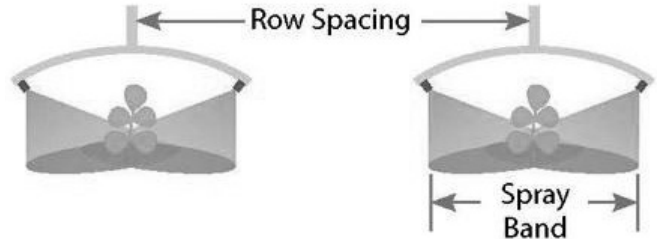
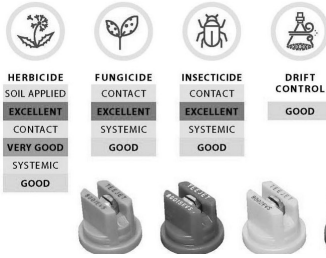
- ▶ Non-tapered flat spray pattern with a 95 ° angle providing even coverage without overlapping.
- ▶ Pre-orifice design produces large droplets to reduce drift
- ▶ Ideal for soil applied and systemic herbicide applications
- ▶ Ideal for banding over the row or in row middles
- ▶ Available with stainless steel insert, polymer holder and pre-orifice with VisiFlo color-coding in five capacities.
- ▶ Automatic spray alignment with 114441A*-CELRL Quick TeeJet cap and gasket.



TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 30" SPRAY TIP SPACING											
					3 MPH	3.5 MPH	4 MPH	4.5 MPH	5 MPH	5.5 MPH	6 MPH	6.5 MPH	7 MPH	7.5 MPH	8 MPH	8.5 MPH
DG95015EVS (100)	30	M	0.13	17	8.6	7.4	6.4	5.7	5.1	4.7	4.3	4.0	3.7	3.4	3.2	3.0
	40	M	0.15	19	9.9	8.5	7.4	6.6	5.9	5.4	5.0	4.6	4.2	4.0	3.7	3.5
	50	F	0.17	22	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
	60	F	0.18	23	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1	4.8	4.5	4.2
DG9502EVS (50)	30	M	0.17	22	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
	40	M	0.20	26	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.7	5.3	5.0	4.7
	50	M	0.22	28	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2	5.8	5.4	5.1
	60	M	0.24	31	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8	6.3	5.9	5.6
DG9503EVS (50)	30	M	0.26	33	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4	6.9	6.4	6.1
	40	M	0.30	38	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0
	50	M	0.34	44	22	19.2	16.8	15.0	13.5	12.2	11.2	10.4	9.6	9.0	8.4	7.9
	60	M	0.37	47	24	21	18.3	16.3	14.7	13.3	12.2	11.3	10.5	9.8	9.2	8.6
DG9504EVS (50)	30	C	0.35	45	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9	9.2	8.7	8.2
	40	M	0.40	51	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
	50	M	0.45	58	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5
	60	M	0.49	63	32	28	24	22	19.4	17.6	16.2	14.9	13.9	12.9	12.1	11.4
DG9505EVS (50)	30	C	0.43	55	28	24	21	18.9	17.0	15.5	14.2	13.1	12.2	11.4	10.6	10.0
	40	C	0.50	64	33	28	25	22	19.8	18.0	16.5	15.2	14.1	13.2	12.4	11.6
	50	M	0.56	72	37	32	28	25	22	20	18.5	17.1	15.8	14.8	13.9	13.0
	60	M	0.61	78	40	35	30	27	24	22	20	18.6	17.3	16.1	15.1	14.2

Even Flat Spray - TeeJet

Typical Applications



SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

HEIGHT	40°	65°	80°	95°	110°	20"	30"
8"	11"	6"	5"	4"	3"	2.50	3.75
10"	14"	8"	6"	5"	4"	2.00	3.00
12"	16"	9"	7"	5"	4"	1.67	2.50
15"	21"	12"	9"	7"	5"	1.33	2.00

To find GPA on the spray band, multiply the tabulated GPA from the following page for row spacing by the conversion factors above.

Example:
• Band Width = 8" (Conversion Factor = 3.75)
• TP8001SEVS at 40 PSI at 5 MPH = 5.9 GPA
• Corrected GPA = 5.9 x 3.75 = 22.1 GPA

RECOMMENDED PRESSURE RANGE

30-60 PSI

MATERIALS AVAILABLE

- VS STAINLESS STEEL
- B BRASS
- SS STAINLESS STEEL
- HSS HARDENED STAINLESS STEEL

Features:

- ▶ Non-tapered flat spray pattern providing even coverage without overlapping
- ▶ Ideal for banding over the row or in row middles
- ▶ Available with VisiFlo color-coding in stainless steel or all stainless steel, hardened stainless steel and brass even pattern in 30°, 40°, 65°, 80°, and 110°
- ▶ Automatic spray alignment with 114441A-*CELR quick TeeJet cap and gasket.

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE 80°	CAPACITY ONE TIP IN GPM	APPLICATION RATE FOR 30" SPRAY TIP SPACING											
				3 MPH	3.5 MPH	4 MPH	4.5 MPH	5 MPH	5.5 MPH	6 MPH	6.5 MPH	7 MPH	7.5 MPH	8 MPH	8.5 MPH
TP4001E†	30	F	0.087	5.7	4.9	4.3	3.8	3.4	3.1	2.9	2.7	2.5	2.3	2.2	2.0
TP6501E†	40	F	0.10	6.6	5.7	5.0	4.4	4.0	3.6	3.3	3.0	2.8	2.6	2.5	2.3
TP8001E	50	F	0.11	7.3	6.2	5.4	4.8	4.4	4.0	3.6	3.4	3.1	2.9	2.7	2.6
TP9501E (100)	60	VF	0.12	7.9	6.8	5.9	5.3	4.8	4.3	4.0	3.7	3.4	3.2	3.0	2.8
TP4001SE†	30	F	0.13	8.6	7.4	6.4	5.7	5.1	4.7	4.3	4.0	3.7	3.4	3.2	3.0
TP6501SE†	40	F	0.15	9.9	8.5	7.4	6.6	5.9	5.4	5.0	4.6	4.2	4.0	3.7	3.5
TP8001SE	50	F	0.17	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
TP9501SE (100)	60	F	0.18	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1	4.8	4.5	4.2
TP4002E†	30	F	0.17	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
TP6502E†	40	F	0.20	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.7	5.3	5.0	4.7
TP8002E	50	F	0.22	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2	5.8	5.4	5.1
TP9502E (50)	60	F	0.24	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8	6.3	5.9	5.6
TP4003E†	30	M	0.26	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4	6.9	6.4	6.1
TP6503E†	40	F	0.30	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0
TP8003E	50	F	0.34	22	19.2	16.8	15.0	13.5	12.2	11.2	10.4	9.6	9.0	8.4	7.9
TP9503E (50)	60	F	0.37	24	21	18.3	16.3	14.7	13.3	12.2	11.3	10.5	9.8	9.2	8.6
TP4004E†	30	M	0.35	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9	9.2	8.7	8.2
TP6504E†	40	M	0.40	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
TP8004E	50	M	0.45	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5
TP9504E (50)	60	F	0.49	32	28	24	22	19.4	17.6	16.2	14.9	13.9	12.9	12.1	11.4
TP4005E†	30	M	0.43	28	24	21	18.9	17.0	15.5	14.2	13.1	12.2	11.4	10.6	10.0
TP6505E†	40	M	0.50	33	28	25	22	19.8	18.0	16.5	15.2	14.1	13.2	12.4	11.6
TP8005E	50	M	0.56	37	32	28	25	22	20	18.5	17.1	15.8	14.8	13.9	13.0
TP9505E (50)	60	M	0.61	40	35	30	27	24	22	20	18.6	17.3	16.1	15.1	14.2
TP4006E†	30	C	0.52	34	29	26	23	21	18.7	17.2	15.8	14.7	13.7	12.9	12.1
TP6506E†	40	M	0.60	40	34	30	26	24	22	19.8	18.3	17.0	15.8	14.9	14.0
TP8006E	50	M	0.67	44	38	33	29	27	24	22	20	19.0	17.7	16.6	15.6
TP9506E (50)	60	M	0.73	48	41	36	32	29	26	24	22	21	19.3	18.1	17.0
TP6508E†	30	C	0.69	46	39	34	30	27	25	23	21	19.5	18.2	17.1	16.1
TP11008E†	40	C	0.80	53	45	40	35	32	29	26	24	23	21	19.8	18.6
TP8008E	50	M	0.89	59	50	44	39	35	32	29	27	25	23	22	21
TP9508E (50)	60	M	0.98	65	55	49	43	39	35	32	30	28	26	24	23
TP4010E†	30	VC	0.87	57	49	43	38	34	31	29	27	25	23	22	20
TP6510E†	40	C	1.00	66	57	50	44	40	36	33	30	28	26	25	23
TP8010E†	50	C	1.12	74	63	55	49	44	40	37	34	32	30	28	26
TP11010E† (24)	60	C	1.22	81	69	60	54	48	44	40	37	35	32	30	28
TP6515E†	30	VC	1.30	86	74	64	57	51	47	43	40	37	34	32	30
TP8015E†	40	VC	1.50	99	85	74	66	59	54	50	46	42	40	37	35
TP11015E†	50	C	1.68	111	95	83	74	67	60	55	51	48	44	42	39
	60	C	1.84	121	104	91	81	73	66	61	56	52	49	46	43

HOW TO ORDER

Stainless Steel with VisiFlo color-coding
T P 8 0 0 2 E V S
Tip Type Capacity Size Material Code Spray Pattern

Brass
T P 8 0 0 2 E
Tip Type Capacity Size Spray Pattern

Stainless Steel
T P 8 0 0 2 E - S S
Tip Type Capacity Size Material Code Spray Pattern

Hardened Stainless Steel
T P 8 0 0 2 E - H S S
Tip Type Capacity Size Material Code Spray Pattern

Even Flat Spray - TwinJet

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

HEIGHT	GPA CONVERSION FACTORS			
	40°	80°	20°	30°
8"	11"	5"	2.50	3.75
10"	14"	6"	2.00	3.00
12"	16"	7"	1.67	2.50
15"	21"	9"	1.33	2.00

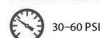
To find GPA on the spray band, multiply the tabulated GPA from the following page for row spacing by the conversion factors above.

Example:
 • Band Width = 8" (Conversion Factor = 3.75)
 • TJ60-4002EVS at 40 PSI at 5 MPH = 7.9 GPA
 • Corrected GPA = 7.9 x 3.75 = 29.6 GPA

Typical Applications



RECOMMENDED PRESSURE RANGE



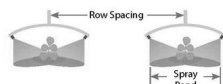
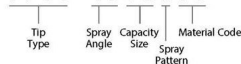
MATERIALS AVAILABLE



HOW TO ORDER

Stainless Steel with VisiFlo color-coding

T J 6 0 - 4 0 0 2 E V S



Features:

- Non-tapered TwinJet flat spray pattern providing even coverage without overlapping
- The twin flat sprays provide improved coverage and penetration of crop or weeds
- Fine to medium droplet size is ideal when smaller droplets are necessary for contact products, as herbicides, insecticides, and fungicides.
- Ideal for banding over the row or in row middles
- Available in stainless steel with VisiFlo color-coding in 40° and 80° spray angles in four capacities.
- Automatic spray alignment with 114443A*-CLER Quick TeeJet cap and gasket.

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE 80°	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 30" SPRAY TIP SPACING											
					3 MPH	3.5 MPH	4 MPH	4.5 MPH	5 MPH	5.5 MPH	6 MPH	6.5 MPH	7 MPH	7.5 MPH	8 MPH	8.5 MPH
TJ60-4002EVS TJ60-8002EVS (100)	30	F	0.17	22	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2	4.0
	40	F	0.20	26	13.2	11.3	9.9	8.8	7.9	7.5	6.6	6.1	5.7	5.3	5.0	4.7
	50	F	0.22	28	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2	5.8	5.4	5.1
	60	F	0.24	31	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8	6.3	5.9	5.6
TJ60-4003EVS TJ60-8003EVS (100)	30	F	0.26	33	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4	6.9	6.4	6.1
	40	F	0.30	38	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0
	50	F	0.34	44	22	19.2	16.8	15.0	13.5	12.2	11.2	10.4	9.6	9.0	8.4	7.9
	60	F	0.37	47	24	21	18.3	16.3	14.7	13.3	12.2	11.3	10.5	9.8	9.2	8.6
TJ60-4004EVS TJ60-8004EVS (50)	30	F	0.35	45	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9	9.2	8.7	8.2
	40	F	0.40	51	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3	10.6	9.9	9.3
	50	F	0.45	58	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5
	60	F	0.49	63	32	28	24	22	19.4	17.6	16.2	14.9	13.9	12.9	12.1	11.4
TJ60-8006EVS (50)	30	M	0.53	67	34	29	26	23	21	18.7	17.2	15.8	14.7	13.7	12.9	12.1
	40	M	0.60	77	40	34	30	26	24	22	19.8	18.3	17.0	15.8	14.9	14.0
	50	F	0.67	86	44	38	33	29	27	24	22	20	19.0	17.7	16.6	15.6
	60	F	0.73	93	48	41	36	32	29	26	24	22	21	19.3	18.1	17.0

Banding & Directed Spray - AIUB TeeJet

Typical Applications



DROPLET SIZE CLASSIFICATION



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



Features:

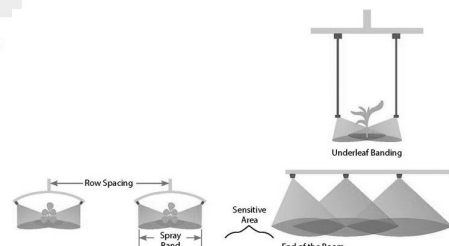
- Air-induction spray tip producing large air-filled droplets through the use of a venturi air aspirator
- Off-center spray pattern with flat spray characteristics
- 85° spray angle
- Under leaf banding of pesticides or liquid fertilizers
- Used at the end of the spray boom around the perimeter of the field to protect sensitive areas.
- Available with stainless steel insert, polymer holder and pre-orifice with VisiFlo color-coding in four capacities
- Automatic spray alignment with 114443A*-CLER Quick TeeJet cap and gasket.

HOW TO ORDER

Stainless Steel with VisiFlo color-coding

A I U B 8 5 0 2 5 V S

Tip Type Spray Angle Capacity Size Material Code



TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING						APPLICATION RATE FOR 30" SPRAY TIP SPACING					
					3 MPH	4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	3 MPH	4 MPH	5 MPH	6 MPH	7 MPH	8 MPH
AIUB8502 (50)	30	UC	0.17	22	16.8	12.6	10.1	8.4	7.2	6.3	11.2	8.4	6.7	5.6	4.8	4.2
	40	XC	0.20	26	19.8	14.9	11.9	9.9	8.5	7.4	13.2	9.9	7.9	6.6	5.7	5.0
	50	XC	0.22	28	22	16.3	13.1	10.9	9.3	8.2	14.5	10.9	8.7	7.3	6.2	5.4
	60	VC	0.24	31	24	17.8	14.3	11.9	10.2	8.9	15.8	11.9	9.5	7.9	6.8	5.9
	70	VC	0.26	33	26	19.3	15.4	12.9	11.0	9.7	17.2	12.9	10.3	8.6	7.4	6.4
	80	VC	0.28	36	28	21	16.6	13.9	11.9	10.4	18.5	13.9	11.1	9.2	7.9	6.9
	90	C	0.30	38	30	22	17.8	14.9	12.7	11.1	19.8	14.9	11.9	9.9	8.5	7.4
	100	C	0.32	41	32	24	19.0	15.8	13.6	11.9	21	15.8	12.7	10.6	9.1	7.9
AIUB85025 (50)	30	XC	0.22	28	22	16.3	13.1	10.9	9.3	8.2	14.5	10.9	8.7	7.3	6.2	5.4
	40	XC	0.25	32	25	18.6	14.9	12.4	10.6	9.3	16.5	12.4	9.9	8.3	7.1	6.2
	50	VC	0.28	36	28	21	16.6	13.9	11.9	10.4	18.5	13.9	11.1	9.2	7.9	6.9
	60	VC	0.31	40	31	23	18.4	15.3	13.2	11.5	20	15.3	12.3	10.2	8.8	7.7
	70	VC	0.33	42	33	25	19.6	16.3	14.0	12.3	22	16.3	13.1	10.9	9.3	8.2
	80	C	0.35	45	35	26	21	17.3	14.9	13.0	23	17.3	13.9	11.6	9.9	8.7
	90	C	0.38	49	38	28	23	18.8	16.1	14.1	25	18.8	15.0	12.5	10.7	9.4
	100	C	0.40	51	40	30	24	19.8	17.0	14.9	26	19.8	15.8	13.2	11.3	9.9
AIUB8503 (50)	30	XC	0.26	33	26	19.3	15.4	12.9	11.0	9.7	17.2	12.9	10.3	8.6	7.4	6.4
	40	XC	0.30	38	30	22	17.8	14.9	12.7	11.1	19.8	14.9	11.9	9.9	8.5	7.4
	50	VC	0.34	44	34	25	20	16.8	14.4	12.6	22	16.8	13.5	11.2	9.6	8.4
	60	VC	0.37	47	37	27	22	18.3	15.7	13.7	24	18.3	14.7	12.2	10.5	9.2
	70	VC	0.40	51	40	30	24	19.8	17.0	14.9	26	19.8	15.8	13.2	11.3	9.9
	80	C	0.42	54	42	31	25	21	17.8	15.6	28	21	16.6	13.9	11.9	10.4
	90	C	0.45	58	45	33	27	22	19.1	16.7	30	22	17.8	14.9	12.7	11.1
	100	C	0.47	60	47	35	28	23	19.9	17.4	31	23	18.6	15.5	13.3	11.6
AIUB8504 (50)	30	XC	0.35	45	35	26	21	17.3	14.9	13.0	23	17.3	13.9	11.6	9.9	8.7
	40	XC	0.40	51	40	30	24	19.8	17.0	14.9	26	19.8	15.8	13.2	11.3	9.9
	50	VC	0.45	58	45	33	27	22	19.1	16.7	30	22	17.8	14.9	12.7	11.1
	60	VC	0.49	63	49	36	29	24	21	18.2	32	24	19.4	16.2	13.9	12.1
	70	VC	0.53	68	52	39	31	26	22	19.7	35	26	21	17.5	15.0	13.1
	80	C	0.57	73	56	42	34	28	24	21	38	28	23	18.8	16.1	14.1
	90	C	0.60	77	59	45	36	30	25	22	40	30	24	19.8	17.0	14.9
	100	C	0.63	81	62	47	37	31	27	23	42	31	25	21	17.8	15.6

UB - Underleaf Banding Spray - TeeJet

FEATURES

- Off-center tip with tapered flat spray characteristics.
- 85° spray angle.
- Available in brass or stainless steel.
- Operating pressure 20–60 PSI.
- Uniform distribution.
- Capacities of 0075 to 04.

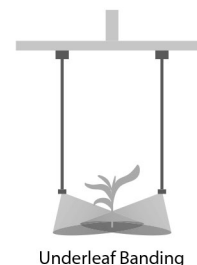
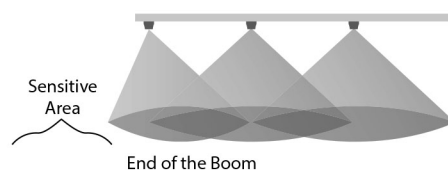
MATERIALS AVAILABLE

SS

STAINLESS STEEL

B

BRASS



TIP PART NO. (STRAINER MESH SIZE)	PSI	CAPACITY TWO TIPS IN GPM	CAPACITY TWO TIPS IN OZ/MIN	APPLICATION RATE FOR 30" SPRAY TIP SPACING (TWO SPRAY TIPS PER ROW)										
				2 MPH	2.5 MPH	3 MPH	3.5 MPH	4MPH	4.5MPH	5 MPH	5.5 MPH	6 MPH	6.5 MPH	7 MPH
D25143-UB-850075 (100)	20	0.11	14	10.9	8.7	7.3	6.2	5.4	4.8	4.4	4.0	3.6	3.4	3.1
	30	0.13	17	12.9	10.3	8.6	7.4	6.4	5.7	5.1	4.7	4.3	4.0	3.7
	40	0.15	19	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4	5.0	4.6	4.2
	50	0.17	22	16.8	13.5	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8
D25143-UB-8501 (100)	60	0.18	23	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1
	20	0.14	18	13.9	11.1	9.2	7.9	6.9	6.2	5.5	5.0	4.6	4.3	4.0
	30	0.17	22	16.8	13.5	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8
	40	0.20	26	19.8	15.8	13.2	11.3	9.9	8.8	7.9	7.2	6.6	6.1	5.7
D25143-UB-85015 (80)	50	0.22	28	22	17.4	14.5	12.4	10.9	9.7	8.7	7.9	7.3	6.7	6.2
	60	0.24	31	24	19.0	15.8	13.6	11.9	10.6	9.5	8.6	7.9	7.3	6.8
	20	0.21	27	21	16.6	13.9	11.9	10.4	9.2	8.3	7.6	6.9	6.4	5.9
	30	0.26	33	26	21	17.2	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.4
D25143-UB-8502 (50)	40	0.30	38	30	24	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5
	50	0.34	44	34	27	22	19.2	16.8	15.0	13.5	12.2	11.2	10.4	9.6
	60	0.37	47	37	29	24	21	18.3	16.3	14.7	13.3	12.2	11.3	10.5
	20	0.28	36	28	22	18.5	15.8	13.9	12.3	11.1	10.1	9.2	8.5	7.9
D25143-UB-8503 (50)	30	0.35	45	35	28	23	19.8	17.3	15.4	13.9	12.6	11.6	10.7	9.9
	40	0.40	51	40	32	26	23	19.8	17.6	15.8	14.4	13.2	12.2	11.3
	50	0.45	58	45	36	30	25	22	19.8	17.8	16.2	14.9	13.7	12.7
	60	0.49	63	49	39	32	28	24	22	19.4	17.6	16.2	14.9	13.9
D25143-UB-8503 (50)	20	0.42	54	42	33	28	24	21	18.5	16.6	15.1	13.9	12.8	11.9
	30	0.52	67	51	41	34	29	26	23	21	18.7	17.2	15.8	14.7
	40	0.60	77	59	48	40	34	30	26	24	22	19.8	18.3	17.0
	50	0.67	86	66	53	44	38	33	29	27	24	22	20	19.0
D25143-UB-8504 (50)	60	0.73	93	72	58	48	41	36	32	29	26	24	22	21
	20	0.57	73	56	45	38	32	28	25	23	21	18.8	17.4	16.1
	30	0.69	88	68	55	46	39	34	30	27	25	23	21	19.5
	40	0.80	102	79	63	53	45	40	35	32	29	26	24	23
D25143-UB-8504 (50)	50	0.89	114	88	70	59	50	44	39	35	32	29	27	25
	60	0.98	125	97	78	65	55	49	43	39	35	32	30	28

Full Cone Spray - TeeJet

TIP PART NO. (STRAINER MESH SIZE)	 PSI	DROP SIZE	CAPACITY TWO SPRAY TIPS IN GPM	CAPACITY TWO SPRAY TIPS IN OZ/MIN	APPLICATION RATE FOR 30" SPRAY TIP SPACING					CAPACITY THREE SPRAY TIPS IN GPM	CAPACITY THREE SPRAY TIPS IN OZ/MIN	APPLICATION RATE FOR 30" SPRAY TIP SPACING				
					3 MPH	4 MPH	5 MPH	6 MPH	7 MPH			3 MPH	4 MPH	5 MPH	6 MPH	7 MPH
TXA800050VK TXB800050VK (100)	40	VF	0.10	13	6.6	5.0	4.0	3.3	2.8	0.15	19	9.9	7.4	5.9	5.0	4.2
	60	VF	0.12	15	7.9	5.9	4.8	4.0	3.4	0.18	23	11.9	8.9	7.1	5.9	5.1
	80	VF	0.14	18	9.2	6.9	5.5	4.6	4.0	0.20	26	13.2	9.9	7.9	6.6	5.7
	100	VF	0.15	19	9.9	7.4	5.9	5.0	4.2	0.22	28	14.5	10.9	8.7	7.3	6.2
	125	VF	0.16	20	10.6	7.9	6.3	5.3	4.5	0.25	32	16.5	12.4	9.9	8.3	7.1
TXA800067VK TXB800067VK (50)	40	VF	0.13	17	8.6	6.4	5.1	4.3	3.7	0.20	26	13.2	9.9	7.9	6.6	5.7
	60	VF	0.16	20	10.6	7.9	6.3	5.3	4.5	0.24	31	15.8	11.9	9.5	7.9	6.8
	80	VF	0.18	23	11.9	8.9	7.1	5.9	5.1	0.27	35	17.8	13.4	10.7	8.9	7.6
	100	VF	0.20	26	13.4	10.0	8.0	6.7	5.7	0.30	39	20	15.0	12.0	10.0	8.6
	125	VF	0.22	29	14.8	11.1	8.9	7.4	6.3	0.34	43	22	16.6	13.3	11.1	9.5
TXA8001VK TXB8001VK (50)	40	VF	0.20	26	13.2	9.9	7.9	6.6	5.7	0.30	38	19.8	14.9	11.9	9.9	8.5
	60	VF	0.24	31	15.9	11.9	9.5	7.9	6.8	0.36	46	24	17.9	14.3	11.9	10.2
	80	VF	0.27	35	18.1	13.6	10.9	9.1	7.8	0.41	53	27	20	16.3	13.6	11.6
	100	VF	0.30	39	20	15.0	12.0	10.0	8.6	0.46	58	30	23	18.0	15.0	12.9
	125	VF	0.34	43	22	16.6	13.3	11.1	9.5	0.50	65	33	25	20	16.6	14.3
TXA80015VK TXB80015VK (50)	40	VF	0.30	38	19.8	14.9	11.9	9.9	8.5	0.45	58	30	22	17.8	14.9	12.7
	60	VF	0.36	47	24	18.0	14.4	12.0	10.3	0.55	70	36	27	22	18.0	15.5
	80	VF	0.42	53	28	21	16.5	13.8	11.8	0.63	80	41	31	25	21	17.7
	100	VF	0.46	60	31	23	18.4	15.3	13.1	0.70	89	46	35	28	23	19.7
	125	VF	0.52	66	34	26	20	17.1	14.6	0.78	99	51	38	31	26	22
TXA8002VK TXB8002VK (50)	40	F	0.40	51	26	19.8	15.8	13.2	11.3	0.60	77	40	30	24	19.8	17.0
	60	VF	0.49	62	32	24	19.2	16.0	13.7	0.73	93	48	36	29	24	21
	80	VF	0.56	71	37	28	22	18.4	15.8	0.84	107	55	41	33	28	24
	100	VF	0.62	79	41	31	25	20	17.5	0.93	119	61	46	37	31	26
	125	VF	0.69	88	46	34	27	23	19.5	1.03	132	68	51	41	34	29
TXA8003VK TXB8003VK (50)	40	F	0.60	77	40	30	24	19.8	17.0	0.90	115	59	45	36	30	25
	60	VF	0.73	94	48	36	29	24	21	1.10	141	73	54	44	36	31
	80	VF	0.85	108	56	42	34	28	24	1.27	162	84	63	50	42	36
	100	VF	0.94	121	62	47	37	31	27	1.42	181	94	70	56	47	40
	125	VF	1.06	135	70	52	42	35	30	1.58	203	105	78	63	52	45
TXA8004VK TXB8004VK (50)	40	F	0.80	102	53	40	32	26	23	1.20	154	79	59	48	40	34
	60	VF	0.98	125	65	48	39	32	28	1.47	188	97	73	58	48	42
	80	VF	1.13	144	74	56	45	37	32	1.69	217	112	84	67	56	48
	100	VF	1.26	161	83	62	50	42	36	1.89	242	125	94	75	62	53
	125	VF	1.41	180	93	70	56	46	40	2.11	270	139	105	84	70	60

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F. See technical information (pages 179–202) for droplet size classification, useful formulas and other technical information.

Ceramic Visiflo Spray - ConeJet

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION

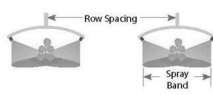


OPTIMUM SPRAY HEIGHT

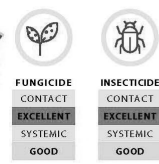
GPA CONVERSION FACTORS	20"		30"	
	8"	10"	12"	15"
2.50	2.50	2.00	1.67	1.33
3.75	3.75	3.00	2.50	2.00

To find GPA on the spray band, multiply the tabulated GPA from the following page for row spacing by the conversion factors above.

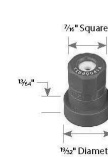
Example:
 • Band Width = 8" (Conversion Factor = 3.75)
 • Two tips TXA80015 at 40 PSI at 5 MPH = 11.9 GPA
 • Corrected GPA = 11.9 x 3.75 = 44.6 GPA



Typical Applications



TXA ConeJet



TXB ConeJet

HOW TO ORDER

Ceramic with VisiFlo color-coding

TXA8004VK

Tip Type Spray Angle Capacity Size Material Code

Ceramic with VisiFlo color-coding

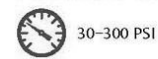
TXB80015VK

Tip Type Spray Angle Capacity Size Material Code

Features:

- Finely atomized spray pattern provides thorough coverage
- Ideal for banding with two or three nozzles over the row
- VisiFlo color-coded polypropylene body and ceramic orifice insert for long wear life
- Resists corrosion
- Accepts more abrasive materials
- Available in seven VisiFlo ceramic (VK) capacities
- Can be used with 114445A-*.CELRC cap and gasket.

RECOMMENDED PRESSURE RANGE



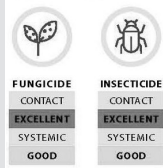
MATERIALS AVAILABLE



TIP PART NO. (STRAINER MESH SIZE)	PSI	DROPSIZE	CAPACITY TWO SPRAY TIPS IN GPM	CAPACITY TWO SPRAY TIPS IN OZ/MIN	APPLICATION RATE FOR 30" SPRAY TIP SPACING					CAPACITY THREE SPRAY TIPS IN GPM	CAPACITY THREE SPRAY TIPS IN OZ/MIN	APPLICATION RATE FOR 30" SPRAY TIP SPACING				
					3 MPH	4 MPH	5 MPH	6 MPH	7 MPH			3 MPH	4 MPH	5 MPH	6 MPH	7 MPH
TXA800050VK TXB800050VK (100)	40	VF	0.10	13	6.6	5.0	4.0	3.3	2.8	0.15	19	9.9	7.4	5.9	5.0	4.2
	60	VF	0.12	15	7.9	5.9	4.8	4.0	3.4	0.18	23	11.9	8.9	7.1	5.9	5.1
	80	VF	0.14	18	9.2	6.9	5.5	4.6	4.0	0.20	26	13.2	9.9	7.9	6.6	5.7
	100	VF	0.15	19	9.9	7.4	5.9	5.0	4.2	0.22	28	14.5	10.9	8.7	7.3	6.2
	125	VF	0.16	20	10.6	7.9	6.3	5.3	4.5	0.25	32	16.5	12.4	9.9	8.3	7.1
TXA800067VK TXB800067VK (50)	40	VF	0.13	17	8.6	6.4	5.1	4.3	3.7	0.20	26	13.2	9.9	7.9	6.6	5.7
	60	VF	0.16	20	10.6	7.9	6.3	5.3	4.5	0.24	31	15.8	11.9	9.5	7.9	6.8
	80	VF	0.18	23	11.9	8.9	7.1	5.9	5.1	0.27	35	17.8	13.4	10.7	8.9	7.6
	100	VF	0.20	26	13.4	10.0	8.0	6.7	5.7	0.30	39	20	15.0	12.0	10.0	8.6
	125	VF	0.22	29	14.8	11.1	8.9	7.4	6.3	0.34	43	22	16.6	13.3	11.1	9.5
TXA8001VK TXB8001VK (50)	40	VF	0.20	26	13.2	9.9	7.9	6.6	5.7	0.30	38	19.8	14.9	11.9	9.9	8.5
	60	VF	0.24	31	15.9	11.9	9.5	7.9	6.8	0.36	46	24	17.9	14.3	11.9	10.2
	80	VF	0.27	35	18.1	13.6	10.9	9.1	7.8	0.41	53	27	20	16.3	13.6	11.6
	100	VF	0.30	39	20	15.0	12.0	10.0	8.6	0.46	58	30	23	18.0	15.0	12.9
	125	VF	0.34	43	22	16.6	13.3	11.1	9.5	0.50	65	33	25	20	16.6	14.3
TXA80015VK TXB80015VK (50)	40	VF	0.30	38	19.8	14.9	11.9	9.9	8.5	0.45	58	30	22	17.8	14.9	12.7
	60	VF	0.36	47	24	18.0	14.4	12.0	10.3	0.55	70	36	27	22	18.0	15.5
	80	VF	0.42	53	28	21	16.5	13.8	11.8	0.63	80	41	31	25	21	17.7
	100	VF	0.46	60	31	23	18.4	15.3	13.1	0.70	89	46	35	28	23	19.7
	125	VF	0.52	66	34	26	20	17.1	14.6	0.78	99	51	38	31	26	22
TXA8002VK TXB8002VK (50)	40	F	0.40	51	26	19.8	15.8	13.2	11.3	0.60	77	40	30	24	19.8	17.0
	60	VF	0.49	62	32	24	19.2	16.0	13.7	0.73	93	48	36	29	24	21
	80	VF	0.56	71	37	28	22	18.4	15.8	0.84	107	55	41	33	28	24
	100	VF	0.62	79	41	31	25	20	17.5	0.93	119	61	46	37	31	26
	125	VF	0.69	88	46	34	27	23	19.5	1.03	132	68	51	41	34	29
TXA8003VK TXB8003VK (50)	40	F	0.60	77	40	30	24	19.8	17.0	0.90	115	59	45	36	30	25
	60	VF	0.73	94	48	36	29	24	21	1.10	141	73	54	44	36	31
	80	VF	0.85	108	56	42	34	28	24	1.27	162	84	63	50	42	36
	100	VF	0.94	121	62	47	37	31	27	1.42	181	94	70	56	47	40
	125	VF	1.06	135	70	52	42	35	30	1.58	203	105	78	63	52	45
TXA8004VK TXB8004VK (50)	40	F	0.80	102	53	40	32	26	23	1.20	154	79	59	48	40	34
	60	VF	0.98	125	65	48	39	32	28	1.47	188	97	73	58	48	42
	80	VF	1.13	144	74	56	45	37	32	1.69	217	112	84	67	56	48
	100	VF	1.26	161	83	62	50	42	36	1.89	242	125	94	75	62	53
	125	VF	1.41	180	93	70	56	46	40	2.11	270	139	105	84	70	60

Hollow Cone Spray - ConeJet

Typical Applications



DROPLET SIZE CLASSIFICATION



OPTIMUM SPRAY HEIGHT

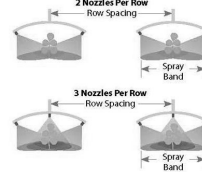
GPA CONVERSION FACTORS	20"	30"
8"	2.50	3.75
10"	2.00	3.00
12"	1.67	2.50
15"	1.33	2.00

RECOMMENDED PRESSURE RANGE

30-300 PSI

MATERIALS AVAILABLE

- VS STAINLESS STEEL
- VK CERAMIC
- B BRASS
- SS STAINLESS STEEL



Features:

- Finely atomized spray pattern provides thorough coverage.
- Ideal for banding with two or three nozzles over the row
- Color-coding versions consist of stainless steel or ceramic orifice in a polypropylene body. Maximum operating pressure 300 PSI.
- Standard ConeJet (not color-coded) available in brass and stainless steel in a wide range of capacities with a 65 ° (TY) and 80 ° spray angles.

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY TWO TIPS IN GPM	CAPACITY TWO TIPS IN OZ/MIN	APPLICATION RATE FOR 30" SPRAY TIP SPACING					CAPACITY THREE TIPS IN GPM	CAPACITY THREE TIPS IN OZ/MIN	APPLICATION RATE FOR 30" SPRAY TIP SPACING				
					3 MPH	4 MPH	5 MPH	6 MPH	7 MPH			3 MPH	4 MPH	5 MPH	6 MPH	7 MPH
TX-1	40	VF	0.033	4.2	2.2	1.6	1.3	1.1	0.93	0.050	6.4	3.3	2.5	2.0	1.7	1.4
60	VF	0.039	5.0	2.6	1.9	1.5	1.3	1.1	0.059	7.6	3.9	2.9	2.3	1.9	1.7	
75	VF	0.043	5.5	2.8	2.1	1.7	1.4	1.2	0.065	8.3	4.3	3.2	2.6	2.1	1.8	
90	VF	0.047	6.0	3.1	2.3	1.9	1.6	1.3	0.070	9.0	4.6	3.5	2.8	2.3	2.0	
120	VF	0.053	6.8	3.5	2.6	2.1	1.7	1.5	0.079	10	5.2	3.9	3.1	2.6	2.2	
TX-2	40	VF	0.067	8.6	4.4	3.3	2.7	2.2	1.9	0.100	13	6.6	5.0	4.0	3.3	2.8
60	VF	0.080	10	5.3	4.0	3.2	2.6	2.3	0.12	15	7.9	5.9	4.8	4.0	3.4	
75	VF	0.088	11	5.8	4.4	3.5	2.9	2.5	0.13	17	8.6	6.4	5.1	4.3	3.7	
90	VF	0.095	12	6.3	4.7	3.8	3.1	2.7	0.14	18	9.2	6.9	5.5	4.6	4.0	
120	VF	0.11	14	7.3	5.4	4.4	3.6	3.1	0.16	20	10.6	7.9	6.3	5.3	4.5	
TX-3	40	VF	0.10	13	6.6	5.0	4.0	3.3	2.8	0.15	19	9.9	7.4	5.9	5.0	4.2
60	VF	0.12	15	7.9	5.9	4.8	4.0	3.4	0.18	23	11.9	8.9	7.1	5.9	5.1	
75	VF	0.13	17	8.6	6.4	5.1	4.3	3.7	0.20	26	13.2	9.9	7.9	6.6	5.7	
90	VF	0.14	18	9.2	6.9	5.5	4.6	4.0	0.21	27	13.9	10.4	8.3	6.9	5.9	
120	VF	0.16	20	10.6	7.9	6.3	5.3	4.5	0.24	31	15.8	11.9	9.5	7.9	6.8	
TX-4	40	VF	0.13	17	8.6	6.4	5.1	4.3	3.7	0.20	26	13.2	9.9	7.9	6.6	5.7
60	VF	0.16	20	10.6	7.9	6.3	5.3	4.5	0.24	31	15.8	11.9	9.5	7.9	6.8	
75	VF	0.18	23	11.9	8.9	7.1	5.9	5.1	0.27	35	17.8	13.4	10.7	8.9	7.6	
90	VF	0.19	24	12.5	9.4	7.5	6.3	5.4	0.29	37	19.1	14.4	11.5	9.6	8.2	
120	VF	0.22	28	14.5	10.9	8.7	7.3	6.2	0.33	42	22	16.3	13.1	10.9	9.3	
TX-6	40	VF	0.20	26	13.2	9.9	7.9	6.6	5.7	0.30	38	19.8	14.9	11.9	9.9	8.5
60	VF	0.24	31	15.8	11.9	9.5	7.9	6.8	0.36	46	24	17.8	14.3	11.9	10.2	
75	VF	0.27	35	17.8	13.4	10.7	8.9	7.6	0.40	51	26	19.8	15.8	13.2	11.3	
90	VF	0.29	37	19.1	14.4	11.5	9.6	8.2	0.43	55	28	21	17.0	14.2	12.2	
120	VF	0.33	42	22	16.3	13.1	10.9	9.3	0.50	64	33	25	19.8	16.5	14.1	
TX-8	40	VF	0.27	35	17.8	13.4	10.7	8.9	7.6	0.40	51	26	19.8	15.8	13.2	11.3
60	VF	0.32	41	21	15.8	12.7	10.6	9.1	0.49	63	32	24	19.4	16.2	13.9	
75	VF	0.36	46	24	17.8	14.3	11.9	10.2	0.54	69	36	27	21	17.8	15.3	
90	VF	0.39	50	26	19.3	15.4	12.9	11.0	0.59	76	39	29	23	19.5	16.7	
120	VF	0.45	58	30	22	17.8	14.9	12.7	0.68	87	45	34	27	22	19.2	
TX-10	40	VF	0.33	42	22	16.3	13.1	10.9	9.3	0.50	64	33	25	19.8	16.5	14.1
60	VF	0.40	51	26	19.8	15.8	13.2	11.3	0.61	78	40	30	24	20	17.3	
75	VF	0.45	58	30	22	17.8	14.9	12.7	0.68	87	45	34	27	22	19.2	
90	VF	0.49	63	32	24	19.4	16.2	13.9	0.74	95	49	37	29	24	21	
120	VF	0.56	72	37	28	22	18.5	15.8	0.85	109	56	42	34	28	24	
TX-12	40	F	0.40	51	26	19.8	15.8	13.2	11.3	0.60	77	40	30	24	19.8	17.0
60	VF	0.49	63	32	24	19.4	16.2	13.9	0.73	93	48	36	29	24	21	
75	VF	0.54	69	36	27	21	17.8	15.3	0.81	104	53	40	32	27	23	
90	VF	0.59	76	39	29	23	19.5	16.7	0.88	113	58	44	35	29	25	
120	VF	0.68	87	45	34	27	22	19.2	1.01	129	67	50	40	33	29	
TX-18	40	F	0.60	77	40	30	24	19.8	17.0	0.90	115	59	45	36	30	25
60	VF	0.73	93	48	36	29	24	21	1.10	141	73	54	44	36	31	
75	VF	0.82	105	54	41	32	27	23	1.23	157	81	61	49	41	35	
90	VF	0.90	115	59	45	36	30	25	1.35	173	89	67	53	45	38	
120	VF	1.03	132	68	51	41	34	29	1.55	198	102	77	61	51	44	
TX-26	40	F	0.87	111	57	43	34	29	25	1.30	166	86	64	51	43	37
60	VF	1.06	136	70	52	42	35	30	1.59	204	105	79	63	52	45	
75	VF	1.18	151	78	58	47	39	33	1.78	228	117	88	70	59	50	
90	VF	1.30	166	86	64	51	43	37	1.94	248	128	96	77	64	55	
120	VF	1.49	191	98	74	59	49	42	2.24	287	148	111	89	74	63	

HOW TO ORDER

Stainless Steel with color-coding

TX - VS 4
Tip Type Material Code Capacity Size

Brass

TX - 4
Tip Type Capacity Size

Stainless Steel

TX - SS 4
Tip Type Material Code Capacity Size

Ceramic with color-coding

TX - VK 4
Tip Type Material Code Capacity Size

Hollow Cone Spray - ConeJet

HOW TO ORDER

Stainless Steel with color-coding

T X - V S 4

Tip
Type

Material
Code

Brass

T X - 4

Tip
Type

Ceramic with color-coding

T X - V K 4

Tip
Type

Material
Code

Stainless Steel

T X - S S 4

Tip
Type

Material
Code

Typical Applications



FUNGICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



INSECTICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



FERTILIZER
EXCELLENT



Features:

- ▶ Finely atomized spray pattern provides thorough coverage.
- ▶ Use for directed applications in air blast spraying for orchards and vineyards and other specialty crops.
- ▶ Color-coded version consists of stainless steel or ceramic orifice in polypropylene body.
- ▶ Spray angle is 80 ° at 100 PSI
- ▶ TX-VS1 and TX-VS2 available in VisiFlo color-coded stainless steel only.
- ▶ Compatible with TeeJet cap CP20230 for use on roll overs and threaded nozzle bodies, tighten to a maximum torque of: 100 in-lbs.
- ▶ Uses 114445A-* -CELR Quick TeeJet cap and gasket.

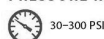
SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE

- VS STAINLESS STEEL
- VK CERAMIC
- SS STAINLESS STEEL
- B BRASS

TIP PART NO.	STRAINER MESH SIZE	CAPACITY (GPM)																	
		30 PSI	40 PSI	50 PSI	60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI	160 PSI	180 PSI	200 PSI	220 PSI	240 PSI	260 PSI	280 PSI	300 PSI
TX-VS1	100	0.015	0.017	0.018	0.020	0.021	0.022	0.023	0.024	0.026	0.028	0.030	0.031	0.032	0.034	0.035	0.036	0.037	0.038
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX-VS2	100	0.029	0.033	0.037	0.040	0.043	0.045	0.047	0.050	0.054	0.058	0.061	0.064	0.067	0.070	0.073	0.075	0.078	0.080
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX-VK3	100	0.044	0.050	0.055	0.060	0.064	0.068	0.071	0.075	0.081	0.086	0.092	0.096	0.101	0.105	0.109	0.113	0.117	0.120
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX-VK4	50	0.058	0.067	0.074	0.080	0.086	0.091	0.096	0.101	0.110	0.118	0.125	0.132	0.139	0.145	0.151	0.157	0.162	0.167
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX-VK6	50	0.088	0.100	0.111	0.120	0.129	0.137	0.145	0.152	0.165	0.177	0.188	0.199	0.208	0.218	0.226	0.235	0.243	0.251
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX-VK8	50	0.116	0.133	0.148	0.162	0.174	0.186	0.196	0.207	0.225	0.243	0.259	0.274	0.288	0.301	0.314	0.326	0.338	0.349
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX-VK10	50	0.145	0.167	0.185	0.202	0.218	0.232	0.246	0.258	0.282	0.303	0.323	0.342	0.360	0.376	0.392	0.408	0.422	0.437
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX-VK12	50	0.174	0.200	0.223	0.243	0.261	0.279	0.295	0.310	0.338	0.364	0.388	0.410	0.432	0.452	0.471	0.489	0.507	0.524
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX-VK18	50	0.260	0.300	0.335	0.367	0.396	0.423	0.449	0.473	0.517	0.558	0.597	0.633	0.667	0.699	0.730	0.759	0.788	0.815
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX-VK26	50	0.376	0.433	0.484	0.530	0.572	0.611	0.648	0.683	0.747	0.807	0.862	0.914	0.963	1.01	1.05	1.10	1.14	1.18
		F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF

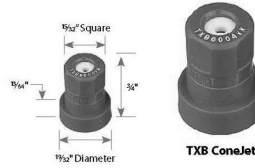
VisiFlo Hollow Cone Spray - ConeJet

Typical Applications

		
FUNGICIDE	INSECTICIDE	FERTILIZER
CONTACT	CONTACT	
EXCELLENT	EXCELLENT	EXCELLENT
SYSTEMIC	SYSTEMIC	
GOOD	GOOD	



TXA ConeJet



TXB ConeJet

Features:

- ▶ Used for directed applications in air blast spraying for orchards and vineyards and other specialty crops.
- ▶ Maximum operating pressure 300 PSI. Spray angle is 80 ° at 100 PSI
- ▶ Finely atomized spray pattern provides thorough coverage.
- ▶ Longer life wear
- ▶ Resists corrosion
- ▶ Accepts more abrasive pesticide formulation
- ▶ VisiFlo color-code in a polypropylene body for use with corrosive materials and ceramic insert.
- ▶ TXA and TXB compatible with TeeJet cap CP20230 for use on roll overs and threaded nozzle bodies, tighten to a maximum torque of: 100 in-lbs.
- ▶ TXA uses 114445A-*-CEL R Quick TeeJet cap and gasket.
- ▶ TXB to be used with Albuz caps or equivalent.

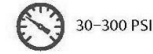
SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



TIP PART NO.	STRAINER MESH SIZE	CAPACITY (GPM)																	
		30 PSI	40 PSI	50 PSI	60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI	160 PSI	180 PSI	200 PSI	220 PSI	240 PSI	260 PSI	280 PSI	300 PSI
TX†800050VK	100	0.044	0.050	0.055	0.060	0.064	0.068	0.071	0.075	0.081	0.086	0.092	0.096	0.101	0.105	0.109	0.113	0.117	0.120
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX†800067VK	50	0.058	0.067	0.074	0.080	0.086	0.091	0.096	0.101	0.110	0.118	0.125	0.132	0.139	0.145	0.151	0.157	0.162	0.167
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX†8001VK	50	0.088	0.100	0.111	0.120	0.129	0.137	0.145	0.152	0.165	0.177	0.188	0.199	0.208	0.218	0.226	0.235	0.243	0.251
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX†80015VK	50	0.131	0.150	0.167	0.182	0.196	0.209	0.221	0.232	0.254	0.273	0.291	0.308	0.324	0.339	0.353	0.367	0.380	0.393
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX†8002VK	50	0.174	0.200	0.223	0.243	0.261	0.279	0.295	0.310	0.338	0.364	0.388	0.410	0.432	0.452	0.471	0.489	0.507	0.524
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX†8003VK	50	0.260	0.300	0.335	0.367	0.396	0.423	0.449	0.473	0.517	0.558	0.597	0.633	0.667	0.699	0.730	0.759	0.788	0.815
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TX†8004VK	50	0.347	0.400	0.447	0.489	0.528	0.564	0.598	0.630	0.690	0.745	0.796	0.843	0.889	0.932	0.973	1.01	1.05	1.09
		F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF

HOW TO ORDER

Ceramic with VisiFlo color-coding

T X A 8 0 0 4 V K

Tip Type Spray Angle Capacity Size Material Code

Ceramic with VisiFlo color-coding

T X B 8 0 0 4 V K

Tip Type Spray Angle Capacity Size Material Code

Hollow Cone Spray - TXR ConeJet

HOW TO ORDER

Ceramic with color-coding

T X R 8 0 0 3 V K

Tip
Type

Spray
Angle

Capacity
Size

Material
Code

Ceramic with color-coding, 100 Tip Pack

T X R 8 0 0 3 V K - 1 0 0 X

Tip
Type

Spray
Angle

Capacity
Size

Material
Code

Typical Applications



FUNGICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



INSECTICIDE
CONTACT
EXCELLENT
SYSTEMIC
GOOD



FERTILIZER
BROADCAST
EXCELLENT



SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



RECOMMENDED PRESSURE RANGE



30-360 PSI

MATERIALS AVAILABLE



CERAMIC

Features:

- Use for directed applications in air blast spraying for orchards and vineyards and other specialty crops
- Produces uniform, 80° hollow cone spray pattern.
- Flow rates are matched to serve as a direct replacement for commonly used non-TeeJet hollow cone spray tips.
- High - quality orifice provides superior wear life, including high pressure operation
- Low profile acetal tip body provides minimal impact with foliage and excellent chemical resistant.
- Snap - fit back up plate provides positive retention when handled in field, but allows for tool-free removal for easy cleaning.
- Best suited for use with TeeJet 98450 series brass rollover valves and TeeJet cap CP20230, tighten to a maximum torque of: 100 in-lbs.
- Compatible with Quick TeeJet cap CP114395-1-NYB or 114396-1-NYR (cap, gasket, and o-ring)

TIP PART NO.	STRAINER MESH SIZE	CAPACITY (GPM)																				
		30 PSI	40 PSI	50 PSI	60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI	160 PSI	180 PSI	200 PSI	220 PSI	240 PSI	260 PSI	280 PSI	300 PSI	320 PSI	340 PSI	360 PSI
TXR800053VK	100	0.046	0.053	0.059	0.064	0.069	0.073	0.077	0.081	0.089	0.095	0.101	0.107	0.113	0.118	0.123	0.127	0.132	0.136	0.140	0.144	0.148
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR800071VK	50	0.062	0.071	0.079	0.086	0.093	0.099	0.105	0.110	0.120	0.129	0.138	0.146	0.153	0.160	0.167	0.174	0.180	0.186	0.192	0.197	0.203
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR8001VK	50	0.087	0.100	0.111	0.121	0.131	0.139	0.147	0.155	0.169	0.182	0.194	0.205	0.216	0.226	0.235	0.245	0.253	0.262	0.270	0.278	0.286
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR80013VK	50	0.116	0.133	0.148	0.162	0.174	0.186	0.196	0.207	0.225	0.243	0.259	0.274	0.288	0.301	0.314	0.326	0.338	0.349	0.360	0.371	0.381
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR80015VK	50	0.131	0.150	0.167	0.182	0.196	0.209	0.221	0.232	0.254	0.273	0.291	0.308	0.324	0.339	0.353	0.367	0.380	0.393	0.405	0.417	0.429
		F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR80017VK	50	0.145	0.167	0.185	0.202	0.218	0.232	0.246	0.258	0.282	0.303	0.323	0.342	0.360	0.376	0.392	0.408	0.422	0.437	0.450	0.464	0.476
		F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR8002VK	50	0.174	0.200	0.223	0.243	0.261	0.279	0.295	0.310	0.338	0.364	0.388	0.410	0.432	0.452	0.471	0.489	0.507	0.524	0.540	0.556	0.572
		F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR80028VK	50	0.240	0.275	0.306	0.334	0.359	0.383	0.405	0.426	0.465	0.500	0.533	0.564	0.594	0.621	0.648	0.673	0.697	0.720	0.743	0.765	0.786
		F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR8003VK	50	0.260	0.300	0.335	0.367	0.396	0.423	0.449	0.473	0.517	0.558	0.597	0.633	0.667	0.699	0.730	0.759	0.788	0.815	0.841	0.867	0.892
		F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR80036VK	50	0.309	0.356	0.398	0.435	0.470	0.502	0.532	0.561	0.614	0.663	0.708	0.751	0.791	0.829	0.866	0.901	0.935	0.967	0.999	1.03	1.06
		F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR8004VK	50	0.347	0.400	0.447	0.489	0.528	0.564	0.598	0.630	0.690	0.745	0.796	0.843	0.889	0.932	0.973	1.01	1.05	1.09	1.12	1.16	1.19
		F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
TXR80049VK	50	0.423	0.488	0.545	0.597	0.644	0.688	0.730	0.769	0.842	0.909	0.971	1.03	1.09	1.14	1.19	1.24	1.28	1.33	1.37	1.41	1.45
		F	F	F	F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF

Air Induction Hollow Cone Spray - AITX ConeJet

Typical Applications



HOW TO ORDER

Ceramic with VisiFlo color-coding

A I T X A 8 0 0 1 V K

Tip
Type

Spray
Angle

Capacity
Size

Material
Code

Ceramic with VisiFlo color-coding

A I T X B 8 0 0 1 V K

Tip
Type

Spray
Angle

Capacity
Size

Material
Code

SPRAY PATTERN



DROPLET SIZE CLASSIFICATION



RECOMMENDED PRESSURE RANGE



60-300 PSI

MATERIALS AVAILABLE



CERAMIC

Features:

- Hollow cone spray pattern is ideal for air blast and directed spray applications
- Larger droplets are produced, compared to the standard TX ConeJet, through the use of a venturi air aspirator resulting in reduced drift and improved canopy penetration.
- Constructed of polypropylene, ceramic and FKM for excellent chemical and wear resistance.
- Removable pre-orificer for fast and easy cleaning
- AITXA to be used with 114445A-*-CEL Quick TeeJet cap.
- AITXB to be used with Albuz cap or equivalent.
- AITXA and AITXB compatible with TeeJet cap CP20230 for use on roll overs and threaded nozzle bodies, tighten to a maximum torque of: 100 in-lbs.

TIP PART NO.	STRAINER MESH SIZE	CAPACITY (GPM)														
		60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI	160 PSI	180 PSI	200 PSI	220 PSI	240 PSI	260 PSI	280 PSI	300 PSI
AITX†8001VK	50	0.121	0.130	0.138	0.146	0.154	0.168	0.181	0.192	0.203	0.214	0.224	0.233	0.242	0.251	0.260
		XC	VC	VC	VC	VC	C	C	M	M	M	F	F	F	F	F
AITX†80015VK	50	0.181	0.195	0.209	0.221	0.233	0.255	0.275	0.294	0.312	0.328	0.344	0.359	0.374	0.388	0.401
		XC	VC	VC	VC	VC	C	C	M	M	M	F	F	F	F	F
AITX†8002VK	50	0.247	0.195	0.286	0.303	0.320	0.351	0.379	0.405	0.430	0.453	0.476	0.497	0.517	0.537	0.556
		XC	VC	VC	VC	VC	C	C	C	C	M	M	M	M	F	F
AITX†80025VK	50	0.300	0.324	0.347	0.368	0.387	0.424	0.458	0.490	0.519	0.548	0.574	0.600	0.624	0.648	0.670
		XC	XC	XC	XC	VC	VC	VC	VC	C	M	M	M	M	F	F
AITX†8003VK	50	0.360	0.389	0.417	0.443	0.467	0.513	0.554	0.594	0.630	0.665	0.698	0.730	0.760	0.790	0.818
		XC	XC	XC	XC	VC	VC	VC	VC	C	M	M	M	M	F	F
AITX†8004VK	50	0.480	0.519	0.556	0.590	0.623	0.684	0.740	0.792	0.841	0.887	0.931	0.974	1.01	1.05	1.09
		UC	UC	XC	XC	VC	VC	VC	VC	C	C	M	M	M	M	M

VisiFlo Flat Spray - TeeJet

FEATURES

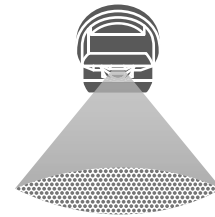
- Use for directed applications in air blast spraying for orchards and vineyards and other specialty crops.
- Tapered-edge flat spray pattern for uniform coverage.
- VisiFlo color-coded version available with ceramic orifice for long wear life.



TIP PART NO.	STRAINER MESH SIZE	CAPACITY (GPM)																	
		30 PSI	40 PSI	50 PSI	60 PSI	70 PSI	80 PSI	90 PSI	100 PSI	120 PSI	140 PSI	160 PSI	180 PSI	200 PSI	220 PSI	240 PSI	260 PSI	280 PSI	300 PSI
TP8001VK	100	0.087	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27
TP80015VK	100	0.13	0.15	0.17	0.18	0.20	0.21	0.23	0.24	0.26	0.28	0.30	0.32	0.34	0.35	0.37	0.38	0.40	0.41
TP8002VK	50	0.17	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.35	0.37	0.40	0.42	0.45	0.47	0.49	0.51	0.53	0.55
XR8003VK	50	0.26	0.30	0.34	0.37	0.40	0.42	0.45	0.47	0.52	0.56	0.60	0.64	0.67	0.70	0.73	0.76	0.79	0.82
XR8004VK	50	0.35	0.40	0.45	0.49	0.53	0.57	0.60	0.63	0.69	0.75	0.80	0.85	0.89	0.94	0.98	1.02	1.06	1.10
XR8005VK	50	0.43	0.50	0.56	0.61	0.66	0.71	0.75	0.79	0.87	0.94	1.00	1.06	1.12	1.17	1.22	1.27	1.32	1.37
XR8006VK	50	0.52	0.60	0.67	0.73	0.79	0.85	0.90	0.95	1.04	1.12	1.20	1.27	1.34	1.41	1.47	1.53	1.59	1.64
XR8008VK	50	0.69	0.80	0.89	0.98	1.06	1.13	1.20	1.26	1.39	1.50	1.60	1.70	1.79	1.88	1.96	2.04	2.12	2.19

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F. See technical information (pages 179–202) for useful formulas and other technical information.

SPRAY PATTERN



RECOMMENDED PRESSURE RANGE



30–300 PSI

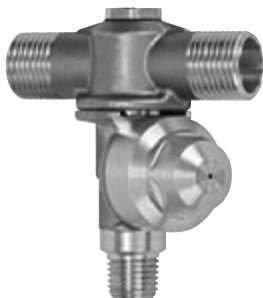
MATERIALS AVAILABLE



CERAMIC

ConeJet® HOLLOW CONE SPRAY

Typical Assembly



4514-NY
Slotted Strainer*



TXR Tip



CP20230
TeeJet Cap

*Use CP20229-NY gasket when 4514-NY Nylon slotted strainer is not used.

98450 Double Outlet Rollover

Disc-Core Type Hollow Cone Spray - TeeJet

Typical Applications



FUNGICIDE

CONTACT

EXCELLENT

SYSTEMIC

GOOD



INSECTICIDE

CONTACT

EXCELLENT

SYSTEMIC

GOOD



FERTILIZER

EXCELLENT

SPRAY PATTERN

Produced by cores #13, 23, 25, 45 and 46.



DISC	CORE	DISC DIA. (INCH)	CAPACITY (GPM)										ANGLE		
			10 PSI	20 PSI	30 PSI	40 PSI	60 PSI	80 PSI	100 PSI	150 PSI	200 PSI	300 PSI	20 PSI	40 PSI	80 PSI
D1	DC13	.031	—	—	.059	.066	.078	.088	.097	.115	.128	.152	—	51°	62°
D1.5	DC13	.036	—	.057	.067	.075	.088	.098	.110	.127	.142	.167	38°	55°	66°
D2	DC13	.041	—	.064	.075	.08	.10	.11	.12	.14	.16	.18	49°	67°	72°
D3	DC13	.047	—	.071	.08	.09	.11	.12	.13	.16	.18	.20	53°	70°	75°
D4	DC13	.063	.070	.09	.11	.12	.14	.16	.17	.20	.23	.27	69°	79°	83°
D1	DC23	.031	—	—	.064	.072	.080	.096	.107	.124	.139	.164	—	47°	58°
D1.5	DC23	.036	—	.064	.076	.086	.103	.117	.130	.155	.175	.210	34°	51°	62°
D2	DC23	.041	—	.078	.092	.10	.13	.14	.16	.19	.21	.25	51°	63°	70°
D3	DC23	.047	.065	.087	.10	.12	.14	.16	.18	.21	.24	.28	58°	69°	75°
D4	DC23	.063	.082	.113	.14	.15	.19	.21	.23	.28	.32	.38	68°	82°	87°
D5	DC23	.078	.095	.13	.16	.18	.22	.25	.28	.34	.38	.46	79°	89°	94°
D6	DC23	.094	.112	.15	.19	.21	.26	.29	.32	.39	.45	.54	84°	93°	98°
D1	DC25	.031	—	—	.088	.101	.122	.138	.156	.185	.210	.255	—	27°	43°
D1.5	DC25	.036	—	—	.118	.135	.162	.185	.205	.245	.280	.33	—	38°	49°
D2	DC25	.041	—	.12	.14	.16	.19	.22	.25	.29	.34	.41	39°	51°	58°
D3	DC25	.047	.10	.14	.17	.19	.23	.26	.29	.35	.40	.48	52°	61°	67°
D4	DC25	.063	.15	.21	.25	.29	.35	.40	.45	.54	.62	.75	67°	74°	80°
D5	DC25	.078	.18	.25	.30	.35	.42	.48	.54	.65	.75	.90	73°	79°	84°
D6	DC25	.094	.23	.32	.39	.44	.54	.62	.70	.85	.97	1.19	79°	85°	89°
D7	DC25	.109	.26	.37	.45	.52	.63	.73	.81	.98	1.18	1.37	85°	91°	93°
D8	DC25	.125	.31	.43	.53	.61	.75	.89	.97	1.19	1.36	1.68	91°	96°	97°
D10	DC25	.156	.38	.54	.65	.76	.93	1.07	1.21	1.48	1.71	2.1	97°	102°	103°
D12	DC25	.188	.46	.61	.80	.93	1.15	1.32	1.47	1.81	2.09	2.55	103°	109°	112°
D14	DC25	.219	.51	.72	.88	1.03	1.26	1.47	1.65	2.02	2.34	2.89	108°	113°	114°
D1	DC45	.031	—	—	—	.125	.148	.170	.190	.225	.257	.310	—	22°	34°
D1.5	DC45	.036	—	—	.14	.16	.20	.23	.25	.31	.35	.43	—	33°	44°
D2	DC45	.041	—	.14	.18	.20	.25	.28	.32	.38	.44	.53	32°	46°	55°
D3	DC45	.047	—	.17	.20	.23	.28	.33	.36	.44	.51	.62	40°	53°	60°
D4	DC45	.063	.18	.25	.31	.36	.43	.50	.56	.68	.78	.95	62°	69°	72°
D5	DC45	.078	.23	.32	.39	.45	.55	.64	.71	.86	.99	1.22	67°	73°	76°
D6	DC45	.094	.29	.41	.50	.58	.72	.83	.93	1.15	1.33	1.64	73°	79°	81°
D7	DC45	.109	.33	.48	.59	.68	.84	.97	1.11	1.35	1.57	1.94	81°	86°	87°
D8	DC45	.125	.41	.59	.72	.84	1.04	1.21	1.35	1.68	1.94	2.40	86°	90°	90°
D10	DC45	.156	.54	.77	.94	1.10	1.35	1.57	1.77	2.18	2.50	3.10	90°	93°	93°
D12	DC45	.188	.67	.95	1.17	1.36	1.68	1.95	2.20	2.69	3.11	3.80	97°	100°	102°
D14	DC45	.218	.75	1.07	1.32	1.53	1.89	2.19	2.45	3.00	3.49	4.30	101°	104°	105°
D16	DC45	.250	.86	1.25	1.54	1.79	2.20	2.57	2.89	3.54	4.11	5.20	108°	111°	112°
D1	DC46	.031	—	—	—	.145	.178	.205	.23	.28	.32	.39	—	13°	15°
D1.5	DC46	.036	—	—	—	.213	.260	.300	.33	.41	.46	.56	—	15°	17°
D2	DC46	.041	—	—	.24	.27	.33	.37	.42	.50	.57	.68	—	18°	21°
D3	DC46	.047	—	.23	.28	.32	.39	.45	.51	.61	.70	.86	14°	20°	24°
D4	DC46	.063	.28	.39	.48	.56	.68	.78	.88	1.07	1.23	1.52	23°	29°	33°
D5	DC46	.078	.38	.54	.66	.77	.94	1.10	1.25	1.50	1.73	2.13	33°	39°	42°
D6	DC46	.094	.55	.78	.95	1.10	1.35	1.58	1.73	2.16	2.50	3.06	42°	48°	50°
D7	DC46	.109	—	.98	1.22	1.39	1.72	1.97	2.22	2.73	3.15	3.85	48°	53°	56°
D8	DC46	.125	—	—	1.59	1.84	2.25	2.62	2.93	3.60	4.17	5.05	—	60°	62°
D10	DC46	.156	—	—	2.15	2.48	3.05	3.53	3.96	4.83	5.59	6.80	—	66°	68°



CP114444A-*-CE Quick TeeJet Cap

For ceramic disc and core. See pages 90–91 for ordering information.

RECOMMENDED PRESSURE RANGE



10–300 PSI

MATERIALS AVAILABLE



POLYMER



HARDENED STAINLESS STEEL



STAINLESS STEEL



BRASS



CERAMIC



NYLON

Disc-Core Type Full Cone Spray - TeeJet

Typical Applications



FUNGICIDE

CONTACT

EXCELLENT

SYSTEMIC

GOOD



INSECTICIDE

CONTACT

EXCELLENT

SYSTEMIC

GOOD



FERTILIZER

EXCELLENT

SPRAY PATTERN

Produced by Cores #31, 33, 35 and 56



FEATURES

- Ideal for airblast sprayers.
- Produce smaller droplets for thorough coverage with contact pesticides and foliar applications.
- Available in a variety of combinations of disc and core, resulting in different rates and spray angle.
- Maximum spray pressure to 300 PSI.
- Available in different material type to better suit different pressure range and pesticide formulation.
- Ceramic disc and core are more suitable for abrasive and corrosive pesticide and fertilizers.



ORIFICE DISCS

Available in a variety of sizes and materials. Ceramic for increased wear life, hardened stainless steel, stainless steel and polymer.

Ceramic Sizes Available

DCER-2 through DCER-8, DCER-10



Ceramic



Hardened
Stainless Steel



Stainless
Steel



Polymer

CORES

Standard cores are made of brass. Also available in ceramic, hardened stainless steel and Nylon. All cores with the exception of ceramic are made with rear "nibs". Make sure core is always placed with the nib facing the nozzle body.

Ceramic Sizes Available

DC13-CER, DC23-CER, DC25-CER, DC31-CER, DC33-CER, DC35-CER, DC45-CER, DC46-CER, DC56-CER



Ceramic



Hardened
Stainless Steel



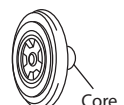
Brass



Nylon



CP18999



Seal

Disc-Core Type Full Cone Spray - TeeJet

DISC	CORE	DISC DIA. (INCH)	CAPACITY (GPM)										ANGLE		
			10 PSI	20 PSI	30 PSI	40 PSI	60 PSI	80 PSI	100 PSI	150 PSI	200 PSI	300 PSI	20 PSI	40 PSI	80 PSI
D1	DC31	.031	.08	.11	.13	.15	.18	.20	.23	.27	.31	.37	49°	47°	43°
D1.5	DC31	.036	.10	.14	.17	.19	.23	.26	.29	.35	.40	.48	57°	65°	53°
D2	DC31	.041	.12	.16	.19	.22	.26	.30	.33	.40	.45	.55	62°	63°	61°
D3	DC31	.047	.13	.18	.21	.24	.29	.33	.37	.44	.50	.60	63°	65°	63°
D1	DC33	.031	.09	.11	.12	.14	.17	.20	.22	.26	.30	.37	27°	32°	35°
D1.5	DC33	.036	.12	.15	.17	.19	.23	.26	.30	.36	.41	.50	37°	43°	45°
D2	DC33	.041	.13	.17	.21	.24	.29	.33	.37	.45	.52	.63	45°	52°	55°
D3	DC33	.047	.15	.21	.25	.29	.36	.41	.45	.55	.63	.76	48°	54°	57°
D4	DC33	.063	.20	.28	.34	.39	.47	.54	.60	.73	.83	1.02	50°	56°	61°
D1	DC35	.031	.08	.11	.13	.14	.17	.20	.22	.26	.29	.35	19°	23°	26°
D1.5	DC35	.036	.10	.14	.17	.19	.23	.26	.29	.34	.39	.46	23°	27°	29°
D2	DC35	.041	.14	.18	.24	.25	.30	.34	.37	.45	.51	.60	40°	44°	47°
D3	DC35	.047	.16	.22	.26	.30	.36	.41	.45	.55	.62	.74	45°	50°	52°
D4	DC35	.063	.27	.37	.44	.50	.60	.70	.79	.93	1.1	1.3	68°	70°	71°
D5	DC35	.078	.34	.48	.58	.66	.80	.92	1.0	1.2	1.4	1.7	67°	69°	71°
D2	DC56	.041	—	—	.21	.25	.30	.35	.39	.47	.55	.67	—	14°	17°
D3	DC56	.047	—	—	.29	.34	.41	.48	.53	.65	.75	.92	—	20°	23°
D4	DC56	.063	—	.39	.48	.55	.67	.78	.87	1.06	1.23	1.51	20°	26°	29°
D5	DC56	.078	.38	.54	.66	.76	.93	1.08	1.20	1.47	1.69	2.08	26°	32°	34°
D6	DC56	.094	.55	.78	.95	1.10	1.35	1.55	1.74	2.13	2.46	3.02	34°	39°	41°
D7	DC56	.109	.76	1.07	1.32	1.52	1.86	2.15	2.40	2.94	3.40	4.16	45°	52°	54°
D8	DC56	.125	.96	1.36	1.67	1.93	2.36	2.73	3.05	3.73	4.32	5.28	52°	57°	59°
D10	DC56	.156	1.35	1.91	2.34	2.70	3.31	3.82	4.26	5.22	6.03	7.39	62°	65°	67°

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F. See technical information (pages 179–202) for useful formulas and other technical information.

RECOMMENDED PRESSURE RANGE



10–300 PSI

MATERIALS AVAILABLE



STAINLESS STEEL



POLYMER



HARDENED STAINLESS STEEL



STAINLESS STEEL



BRASS



CERAMIC



NYLON

For proper assembly and performance, disc and core must both be of like materials. To order orifice Disc, specify Disc number and material.

Ceramic	Hardened Stainless Steel	Stainless Steel	Polymer
D C E R - 2	D 2	D E - 2	D V P - 2

To order core, specify core number and material.

Ceramic	Hardened Stainless Steel	Brass
D C 1 3 - C E R	D C 1 3 - H S S	D C 1 3

Nylon
D C 1 3 - N Y

Seal Gasket
C P 1 8 9 9 9 - E P R

Strainer Note: For nozzles using orifice disc numbers 1, 1.5 and 2; or core numbers 31 and 33, slotted strainer number 4514-20 equivalent to 25 mesh screen size is required. For all other larger capacity discs and cores, slotted strainer number 4514-32 equivalent to 16 mesh screen size is required.

SJ3 Multiple Solid Stream - StreamJet

HOW TO ORDER

Polymer with VisiFlo color-coding

S J 3 - 0 3 - V P

Tip
Type

Capacity
Size

Material
Code

Typical Applications



FERTILIZER
BROADCAST
EXCELLENT



DRIFT
CONTROL
EXCELLENT



SPRAY PATTERN



OPTIMUM SPACING AND SPRAY HEIGHT

HEIGHT	SPACING
20"	20"
30"	30"
40"	40"

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



Features:

- ▶ Excellent for applications of liquid fertilizer on bare ground or in standing crop
- ▶ Three-stream pattern is ideal for directed application.
- ▶ Three solid streams of equal velocity and capacity
- ▶ Solid stream pattern minimizes leaf burn and virtually eliminates drift
- ▶ Equally spaced distribution at 20" height
- ▶ Use with Quick TeeJet 11443A-* -CLER cap and gasket.
- ▶ Offered in a variety of sizes for a wide range of application rates.
- ▶ VisiFlo Color-coding for easy capacity identification
- ▶ All acetal construction for excellent chemical resistance.

TIP PART NO. (STRAINER MESH SIZE)		PSI	CAPACITY ONE TIP IN GPM	APPLICATION RATE FOR 20" SPRAY TIP SPACING									
				3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH
SJ3-015-VP (100)	20	0.11	10.9	8.2	6.5	5.4	4.1	3.3	2.7	2.3	2.0	1.8	1.6
	30	0.13	12.9	9.7	7.7	6.4	4.8	3.9	3.2	2.8	2.4	2.1	1.9
	40	0.15	14.9	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2
	50	0.16	15.8	11.9	9.5	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4
	60	0.17	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5
SJ3-02-VP (50)	20	0.14	13.9	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1
	30	0.17	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5
	40	0.20	19.8	14.9	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0
	50	0.21	21	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1
	60	0.22	22	16.3	13.1	10.9	8.2	6.5	5.4	4.7	4.1	3.6	3.3
SJ3-03-VP (50)	20	0.24	24	17.8	14.3	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6
	30	0.27	27	20	16.0	13.4	10.0	8.0	6.7	5.7	5.0	4.5	4.0
	40	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5
	50	0.33	33	25	19.6	16.3	12.3	9.8	8.2	7.0	6.1	5.4	4.9
	60	0.35	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2
SJ3-04-VP (50)	20	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5
	30	0.36	36	27	21	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3
	40	0.40	40	30	24	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9
	50	0.43	43	32	26	21	16.0	12.8	10.6	9.1	8.0	7.1	6.4
	60	0.47	47	35	28	23	17.4	14.0	11.6	10.0	8.7	7.8	7.0
SJ3-05-VP (50)	20	0.36	36	27	21	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3
	30	0.45	45	33	27	22	16.7	13.4	11.1	9.5	8.4	7.4	6.7
	40	0.50	50	37	30	25	18.6	14.9	12.4	10.6	9.3	8.3	7.4
	50	0.55	54	41	33	27	20	16.3	13.6	11.7	10.2	9.1	8.2
	60	0.59	58	44	35	29	22	17.5	14.6	12.5	11.0	9.7	8.8
SJ3-06-VP (50)	20	0.42	42	31	25	21	15.6	12.5	10.4	8.9	7.8	6.9	6.2
	30	0.54	53	40	32	27	20	16.0	13.4	11.5	10.0	8.9	8.0
	40	0.60	59	45	36	30	22	17.8	14.9	12.7	11.1	9.9	8.9
	50	0.66	65	49	39	33	25	19.6	16.3	14.0	12.3	10.9	9.8
	60	0.70	69	52	42	35	26	21	17.3	14.9	13.0	11.6	10.4
SJ3-08-VP	20	0.56	55	42	33	28	21	16.6	13.9	11.9	10.4	9.2	8.3
	30	0.72	71	53	43	36	27	21	17.8	15.3	13.4	11.9	10.7
	40	0.80	79	59	48	40	30	24	19.8	17.0	14.9	13.2	11.9
	50	0.88	87	65	52	44	33	26	22	18.7	16.3	14.5	13.1
	60	0.94	93	70	56	47	35	28	23	19.9	17.4	15.5	14.0
SJ3-10-VP	20	0.65	64	48	39	32	24	19.3	16.1	13.8	12.1	10.7	9.7
	30	0.90	89	67	53	45	33	27	22	19.1	16.7	14.9	13.4
	40	1.00	99	74	59	50	37	30	25	21	18.6	16.5	14.9
	50	1.11	110	82	66	55	41	33	27	24	21	18.3	16.5
	60	1.19	118	88	71	59	44	35	29	25	22	19.6	17.7
SJ3-15-VP	20	0.99	98	74	59	49	37	29	25	21	18.4	16.3	14.7
	30	1.24	123	92	74	61	46	37	31	26	23	20	18.4
	40	1.50	149	111	89	74	56	45	37	32	28	25	22
	50	1.68	166	125	100	83	62	50	42	36	31	28	25
	60	1.83	181	136	109	91	68	54	45	39	34	30	27
SJ3-20-VP	20	1.41	140	105	84	70	52	42	35	30	26	23	21
	30	1.75	173	130	104	87	65	52	43	37	32	29	26
	40	2.00	198	149	119	99	74	59	50	42	37	33	30
	50	2.28	226	169	135	113	85	68	56	48	42	38	34
	60	2.49	247	185	148	123	92	74	62	53	46	41	37

SJ3-VR Variable Rate - StreamJet

Typical Applications



FERTILIZER
BROADCAST
EXCELLENT



DRIFT
CONTROL
EXCELLENT



SPRAY PATTERN



OPTIMUM SPACING
AND SPRAY HEIGHT

HEIGHT	SPACING
15"	15"
20"	20"
30"	30"

*For best spray distribution maintain a 1:1 ratio of tip height to tip spacing.

RECOMMENDED
PRESSURE RANGE



MATERIALS AVAILABLE

VP POLYMER

HOW TO ORDER

Polymer with VisiFlo® color-coding

S J 3 - V R - X 2 . 0

Tip Type Material Code Capacity Size

Features:

- ▶ The SJ3-VR line of variable rate fertilizer spray tips feature a variable diameter orifice that produces a wide range of flow rates -- its like having five tips in one.
- ▶ Allows for a wider range of ground speeds and/or application rates from a single tip for improved productivity.
- ▶ Are also ideal for variable rate prescription map applications.
- ▶ SJ3-VR tip produces three identical fluid streams for excellent distribution quality in directed applications.
- ▶ Solid stream pattern minimizes leaf burn and virtually eliminates drift.
- ▶ Acetal body and deflector plate construction for good wear life and chemical resistance.
- ▶ Simple, elastomer (EPDM) variable orifice from reliable operation.
- ▶ SJ3-VR are intended for use with flow meter based control systems only.
- ▶ Multiple capacities available for a wider range of application rates.

TIP PART NO.		CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 15" SPRAY TIP SPACING												APPLICATION RATE FOR 20" SPRAY TIP SPACING											
				3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH		
SJ3-VR-X0.5	20	0.13	17	17.2	12.9	10.3	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6	12.9	9.7	7.7	6.4	4.8	3.9	3.2	2.8	2.4	2.1	1.9		
	30	0.16	20	21	15.8	12.7	10.6	7.9	6.3	5.3	4.5	4.0	3.5	3.2	15.8	11.9	9.5	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4		
	40	0.18	23	24	17.8	14.3	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	17.8	13.4	10.7	8.9	6.7	5.3	4.5	3.8	3.3	3.0	2.7		
	50	0.21	27	28	21	16.6	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	21	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1		
	60	0.24	31	32	24	19.0	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	24	17.8	14.3	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6		
	70	0.28	36	37	28	22	18.5	13.9	11.1	9.2	7.9	6.9	6.2	5.5	28	21	16.6	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2		
	80	0.32	41	42	32	25	21	15.8	12.7	10.6	9.1	7.9	7.0	6.3	32	24	19.0	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8		
	90	0.37	47	49	37	29	24	18.3	14.7	12.2	10.5	9.2	8.1	7.3	37	27	22	18.3	13.7	11.0	9.2	7.8	6.9	6.1	5.5		
	100	0.42	54	55	42	33	28	21	16.6	13.9	11.9	10.4	9.2	8.3	42	31	25	21	15.6	12.5	10.4	8.9	7.8	6.9	6.2		
SJ3-VR-X1.0	20	0.21	27	28	21	16.6	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	21	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1		
	30	0.28	36	37	28	22	18.5	13.9	11.1	9.2	7.9	6.9	6.2	5.5	28	21	16.6	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2		
	40	0.35	45	46	35	28	23	17.3	13.9	11.6	9.9	8.7	7.7	6.9	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2		
	50	0.43	55	57	43	34	28	21	17.0	14.2	12.2	10.6	9.5	8.5	43	32	26	21	16.0	12.8	10.6	9.1	8.0	7.1	6.4		
	60	0.51	65	67	50	40	34	25	20	16.8	14.4	12.6	11.2	10.1	50	38	30	25	18.9	15.1	12.6	10.8	9.5	8.4	7.6		
	70	0.61	78	81	60	48	40	30	24	20	17.3	15.1	13.4	12.1	60	45	36	30	23	18.1	15.1	12.9	11.3	10.1	9.1		
	80	0.71	91	94	70	56	47	35	28	23	20	17.6	15.6	14.1	70	53	42	35	26	21	17.6	15.1	13.2	11.7	10.5		
	90	0.82	105	108	81	65	54	41	32	27	23	20	18.0	16.2	81	61	49	41	30	24	20	17.4	15.2	13.5	12.2		
	100	0.93	119	123	92	74	61	46	37	31	26	23	20	18.4	92	69	55	46	35	28	23	19.7	17.3	15.3	13.8		
SJ3-VR-X2.0	20	0.55	70	73	54	44	36	27	22	18.2	15.6	13.6	12.1	10.9	54	41	33	27	20	16.3	13.6	11.7	10.2	9.1	8.2		
	30	0.70	90	92	69	55	46	35	28	23	19.8	17.3	15.4	13.9	69	52	42	35	26	21	17.3	14.9	13.0	11.6	10.4		
	40	0.84	108	111	83	67	55	42	33	28	24	21	18.5	16.6	83	62	50	42	31	25	21	17.8	15.6	13.9	12.5		
	50	0.97	124	128	96	77	64	48	38	32	27	24	21	19.2	96	72	58	48	36	29	24	21	18.0	16.0	14.4		
	60	1.11	142	147	110	88	73	55	44	37	31	27	24	22	110	82	66	55	41	33	27	24	21	18.3	16.5		
	70	1.25	160	165	124	99	83	62	50	41	35	31	28	25	124	93	74	62	46	37	31	27	23	21	18.6		
	80	1.38	177	182	137	109	91	68	55	46	39	34	30	27	137	102	82	68	51	41	34	29	26	23	20		
	90	1.51	193	199	149	120	100	75	60	50	43	37	33	30	149	112	90	75	56	45	37	32	28	25	22		
	100	1.64	210	216	162	130	108	81	65	54	46	41	36	32	162	122	97	81	61	49	41	35	30	27	24		

TIP PART NO.	GROUND SPEED RANGE (MPH) FOR 15" SPACING																GROUND SPEED RANGE (MPH) FOR 20" SPACING															
	5 GPA		10 GPA		15 GPA		20 GPA		25 GPA		30 GPA		35 GPA		40 GPA		5 GPA		10 GPA		15 GPA		20 GPA		25 GPA		30 GPA		35 GPA		40 GPA	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
SJ3-VR-X0.5	10	33*	5.1	17	3.4	11	2.6	8.3	2.1	6.7	1.7	5.5	1.5	4.8	1.3	4.2	7.7	25	3.9	12	2.6	8.3	1.9	6.2	1.5	5.0	1.3	4.2	1.1	3.6	1.0	3.1
SJ3-VR-X1.0	17	74*	8.3	37*	5.5	25	4.2	18	3.3	15	2.8	12	2.4	11	2.1	9.2	12	55	6.2	28	4.2	18	3.1	14	2.5	11	2.1	9.2	1.8	7.9	1.6	6.9
SJ3-VR-X2.0	–	–	22	65*	15	43*	11	32*	9	26*	7	22	6	19	5	16	–	–	16	49	11	32	8.2	24	6.5	19	5.4	16	4.7	14	4.1	12

SJ7A Multiple Solid Stream - StreamJet

HOW TO ORDER

Polymer with VisiFlo color-coding

S J 7 A - 0 4 - V P

Tip Type Capacity Size Material Code

SPRAY PATTERN



OPTIMUM SPACING AND SPRAY HEIGHT

HEIGHT	SPACING
20"	20"
30"	30"
40"	40"

Typical Applications



FERTILIZER
BROADCAST
EXCELLENT



DRIFT
CONTROL
EXCELLENT

RECOMMENDED PRESSURE RANGE

20-60 PSI

MATERIALS AVAILABLE

VP POLYMER



Features:

- ▶ Excellent for application of liquid fertilizer on bare ground or in standing crop.
- ▶ Seven - stream pattern is ideal for broadcast application.
- ▶ Creates seven identical fluid streams of equal velocity and capacity.
- ▶ Excellent spray distribution quality.
- ▶ Removable metering orifice for easy cleaning.
- ▶ Offered in a variety of sizes for a wide range of application rates
- ▶ VisiFlo color-coding for easy capacity identification.
- ▶ All acetal construction for excellent chemical resistance.
- ▶ Solid stream pattern minimizes leaf burn and virtually eliminates drift
- ▶ SJ7A spray tip molded into Quick TeeJet cap.

TIP PART NO. (STRAINER MESH SIZE)	 PSI	CAPACITY ONE TIP IN GPM	APPLICATION RATE FOR 20" SPRAY TIP SPACING											
			3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	
SJ7A-015-VP (100)	20	0.10	9.9	7.4	5.9	5.0	3.7	3.0	2.5	2.1	1.9	1.7	1.5	
	30	0.12	11.9	8.9	7.1	5.9	4.5	3.6	3.0	2.5	2.2	2.0	1.8	
	40	0.15	14.9	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2	
	50	0.16	15.8	11.9	9.5	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4	
	60	0.18	17.8	13.4	10.7	8.9	6.7	5.3	4.5	3.8	3.3	3.0	2.7	
SJ7A-02-VP (50)	20	0.14	13.9	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1	
	30	0.17	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5	
	40	0.20	19.8	14.9	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0	
	50	0.23	23	17.1	13.7	11.4	8.5	6.8	5.7	4.9	4.3	3.8	3.4	
	60	0.25	25	18.6	14.9	12.4	9.3	7.4	6.2	5.3	4.6	4.1	3.7	
SJ7A-03-VP (50)	20	0.22	22	16.3	13.1	10.9	8.2	6.5	5.4	4.7	4.1	3.6	3.3	
	30	0.27	27	20	16.0	13.4	10.0	8.0	6.7	5.7	5.0	4.5	4.0	
	40	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5	
	50	0.33	33	25	19.6	16.3	12.3	9.8	8.2	7.0	6.1	5.4	4.9	
	60	0.35	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2	
SJ7A-04-VP (50)	20	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5	
	30	0.35	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2	
	40	0.40	40	30	24	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9	
	50	0.43	43	32	26	21	16.0	12.8	10.6	9.1	8.0	7.1	6.4	
	60	0.46	46	34	27	23	17.1	13.7	11.4	9.8	8.5	7.6	6.8	
SJ7A-05-VP (50)	20	0.38	38	28	23	18.8	14.1	11.3	9.4	8.1	7.1	6.3	5.6	
	30	0.45	45	33	27	22	16.7	13.4	11.1	9.5	8.4	7.4	6.7	
	40	0.50	50	37	30	25	18.6	14.9	12.4	10.6	9.3	8.3	7.4	
	50	0.54	53	40	32	27	20	16.0	13.4	11.5	10.0	8.9	8.0	
	60	0.58	57	43	34	29	22	17.2	14.4	12.3	10.8	9.6	8.6	
SJ7A-06-VP (50)	20	0.45	45	33	27	22	16.7	13.4	11.1	9.5	8.4	7.4	6.7	
	30	0.54	53	40	32	27	20	16.0	13.4	11.5	10.0	8.9	8.0	
	40	0.60	59	45	36	30	22	17.8	14.9	12.7	11.1	9.9	8.9	
	50	0.65	64	48	39	32	24	19.3	16.1	13.8	12.1	10.7	9.7	
	60	0.70	69	52	42	35	26	21	17.3	14.9	13.0	11.6	10.4	
SJ7A-08-VP	20	0.57	56	42	34	28	21	16.9	14.1	12.1	10.6	9.4	8.5	
	30	0.72	71	53	43	36	27	21	17.8	15.3	13.4	11.9	10.7	
	40	0.80	79	59	48	40	30	24	19.8	17.0	14.9	13.2	11.9	
	50	0.87	86	65	52	43	32	26	22	18.5	16.1	14.4	12.9	
	60	0.93	92	69	55	46	35	28	23	19.7	17.3	15.3	13.8	
SJ7A-10-VP	20	0.71	70	53	42	35	26	21	17.6	15.1	13.2	11.7	10.5	
	30	0.90	89	67	53	45	33	27	22	19.1	16.7	14.9	13.4	
	40	1.00	99	74	59	50	37	30	25	21	18.6	16.5	14.9	
	50	1.09	108	81	65	54	40	32	27	23	20	18.0	16.2	
	60	1.16	115	86	69	57	43	34	29	25	22	19.1	17.2	
SJ7A-15-VP	20	1.03	102	76	61	51	38	31	25	22	19.1	17.0	15.3	
	30	1.29	128	96	77	64	48	38	32	27	24	21	19.2	
	40	1.50	149	111	89	74	56	45	37	32	28	25	22	
	50	1.64	162	122	97	81	61	49	41	35	30	27	24	
	60	1.76	174	131	105	87	65	52	44	37	33	29	26	

SJ7A-VR Variable Rate - StreamJet

Typical Applications



HOW TO ORDER

Polymer with VisiFlo® color-coding

S J 7 A - V R - X 2 . 0

Tip
Type

Material
Code

Capacity
Size

Features:

- ▶ The SJ7A - VR line of rate fertilizer spray tips feature a variable diameter orifice that produces a wide range of flow rates -- its like having five tips in one.
- ▶ Allows for a wider range of ground speeds and/or application rates from a single tip for improved productivity.
- ▶ Also ideal for variable rate prescription map applications
- ▶ SJ7A-VR tip produces seven identical fluid streams for excellent distribution quality in broadcast applications.
- ▶ Solid steam pattern minimizes leaf burn and virtually eliminates drift.

SPRAY PATTERN



OPTIMUM SPACING AND SPRAY HEIGHT

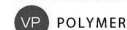
HEIGHT	SPACING
20"	20"
30"	30"
40"	40"

*For best spray distribution maintain a 1:1 ratio of tip height to tip spacing.

RECOMMENDED PRESSURE RANGE



MATERIALS AVAILABLE



- ▶ Acetal body and deflector plate construction for good wear life and chemical resistance.
- ▶ Simple, elastomer (EPDM) variable orifice for reliable operation.
- ▶ SJ7A-VR are intended for use with flow meter based control systems only
- ▶ Multiple capacities available for wider range of application rates.

TIP PART NO.	 PSI	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING										APPLICATION RATE FOR 30" SPRAY TIP SPACING									
				5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH		
SJ7A-VR-X0.5	30	0.16	20	9.5	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4	6.3	5.3	4.0	3.2	2.6	2.3	2.0	1.8	1.6		
	40	0.19	24	11.3	9.4	7.1	5.6	4.7	4.0	3.5	3.1	2.8	7.5	6.3	4.7	3.8	3.1	2.7	2.4	2.1	1.9		
	50	0.22	28	13.1	10.9	8.2	6.5	5.4	4.7	4.1	3.6	3.3	8.7	7.3	5.4	4.4	3.6	3.1	2.7	2.4	2.2		
	60	0.26	33	15.4	12.9	9.7	7.7	6.4	5.5	4.8	4.3	3.9	10.3	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6		
	70	0.30	38	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0		
	80	0.35	45	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2	13.9	11.6	8.7	6.9	5.8	5.0	4.3	3.9	3.5		
SJ7A-VR-X1.0	30	0.28	36	16.6	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	11.1	9.2	6.9	5.5	4.6	4.0	3.5	3.1	2.8		
	40	0.35	45	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2	13.9	11.6	8.7	6.9	5.8	5.0	4.3	3.9	3.5		
	50	0.44	56	26	22	16.3	13.1	10.9	9.3	8.2	7.3	6.5	17.4	14.5	10.9	8.7	7.3	6.2	5.4	4.8	4.4		
	60	0.55	70	33	27	20	16.3	13.6	11.7	10.2	9.1	8.2	22	18.2	13.6	10.9	9.1	7.8	6.8	6.1	5.4		
	70	0.67	86	40	33	25	19.9	16.6	14.2	12.4	11.1	9.9	27	22	16.6	13.3	11.1	9.5	8.3	7.4	6.6		
	80	0.80	102	48	40	30	24	19.8	17.0	14.9	13.2	11.9	32	26	19.8	15.8	13.2	11.3	9.9	8.8	7.9		
SJ7A-VR-X2.0	30	0.70	90	42	35	26	21	17.3	14.9	13.0	11.6	10.4	28	23	17.3	13.9	11.6	9.9	8.7	7.7	6.9		
	40	0.85	109	50	42	32	25	21	18.0	15.8	14.0	12.6	34	28	21	16.8	14.0	12.0	10.5	9.4	8.4		
	50	1.00	128	59	50	37	30	25	21	18.6	16.5	14.9	40	33	25	19.8	16.5	14.1	12.4	11.0	9.9		
	60	1.17	150	69	58	43	35	29	25	22	19.3	17.4	46	39	29	23	19.3	16.5	14.5	12.9	11.6		
	70	1.35	173	80	67	50	40	33	29	25	22	20	53	45	33	27	22	19.1	16.7	14.9	13.4		
	80	1.55	198	92	77	58	46	38	33	29	26	23	61	51	38	31	26	22	19.2	17.1	15.3		

SPEED RANGE FOR VARIOUS APPLICATION RATES

TIP PART NO.	GROUND SPEED RANGE (MPH) FOR 20" SPACING																GROUND SPEED RANGE (MPH) FOR 30" SPACING															
	5 GPA		10 GPA		15 GPA		20 GPA		25 GPA		30 GPA		35 GPA		40 GPA		5 GPA		10 GPA		15 GPA		20 GPA		25 GPA		30 GPA		35 GPA		40 GPA	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
SJ7A-VR-X0.5	9.5	21	4.8	10	3.2	6.9	2.4	5.2	1.9	4.2	1.6	3.5	1.4	3.0	1.2	2.6	6.3	14	3.2	6.9	2.1	4.6	1.6	3.5	1.3	2.8	1.1	2.3	0.9	2.0	0.8	1.7
SJ7A-VR-X1.0	17	48*	8.3	24	5.5	16	4.2	12	3.3	9.5	2.8	7.9	2.4	6.8	2.1	5.9	11	32	5.5	16	3.7	11	2.8	7.9	2.2	6.3	1.8	5.3	1.6	4.5	1.4	4.0
SJ7A-VR-X2.0	–	–	21	46*	14	31*	10	23	8.3	18	6.9	15	5.9	13	5.2	12	–	–	14	31*	9.2	20	6.9	15	5.5	12	4.6	10	4.0	8.8	3.5	7.7

QJ-VR & PTC-VR Variable Rate - TeeJet

SPRAY PATTERN



SIZE OPTIONS

TIP PART NO.	HOSE SIZE (I.D.)				TUBING SIZE (O.D.)			
	1/4"	3/8"	1/2"	3/4"	1/4"	3/8"	1/2"	3/4"
QJ-VR-X0.5	*	*	*					
QJ-VR-X1.0	*	*	*					
QJ-VR-X2.0			*	*				
PTC-VR-X0.5				*	*	*		
PTC-VR-X1.0				*	*	*	*	
PTC-VR-X2.0					*	*	*	*

Note: 1/4" and 3/8" hose barb sizes offered in stainless steel only. 1/2" and 3/4" hose barbs offered in choice of stainless steel

RECOMMENDED PRESSURE RANGE



10-100 PSI

MATERIALS AVAILABLE

VP POLYMER

Typical Applications



FERTILIZER BROADCAST
EXCELLENT



DRIFT CONTROL
EXCELLENT



HOW TO ORDER

Quick TeeJet® Variable Rate Metering Assembly
(no Hose Barb)

Q J - V R - X 2 . 0

3/8" Push-to-Connect Variable Rate
Metering Assembly

P T C - V R - X 1 . 0 - 3 / 8

1/4" Stainless Steel Hose Barb Variable Rate
Metering Assembly

Q J - V R - X 1 . 0 - 1 / 4 - S S

1/4" Push-to-Connect Variable Rate Metering Assembly
with 10 PSI Diaphragm Check Valve

P T C - V R - X 1 . 0 - 1 / 4 - 1 0

Features:

- The QJ-VR and PTC-VR line of variable rate fertilizer assemblies feature a variable diameter orifice that produces a wide range of flow rates -- its like having several metering orifices in one.

TIP PART NO.		PSI	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING										APPLICATION RATE FOR 30" SPRAY TIP SPACING																					
					3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH										
QJ-VR-X0.5 PTC-VR-X0.5	10	0.09	12	8.9	6.7	5.3	4.5	3.3	2.7	2.2	1.9	1.7	1.5	1.3	5.9	4.5	3.6	3.0	2.2	1.8	1.5	1.3	1.1	1.0	0.9	5.9	4.5	3.6	3.0	2.2	1.8	1.5	1.3	1.1	1.0	0.9
	20	0.13	17	12.9	9.7	7.7	6.4	4.8	3.9	3.2	2.8	2.4	2.1	1.9	8.6	6.4	5.1	4.3	3.2	2.6	2.1	1.8	1.6	1.4	1.3	8.6	6.4	5.1	4.3	3.2	2.6	2.1	1.8	1.6	1.4	1.3
	30	0.17	22	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5	11.2	8.4	6.7	5.6	4.2	3.4	2.8	2.4	2.1	1.9	1.7	11.2	8.4	6.7	5.6	4.2	3.4	2.8	2.4	2.1	1.9	1.7
	40	0.21	27	21	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1	13.9	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1	13.9	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1
	50	0.24	31	24	17.8	14.3	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	15.8	11.9	9.5	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4	15.8	11.9	9.5	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4
	60	0.29	37	29	22	17.2	14.4	10.8	8.6	7.2	6.2	5.4	4.8	4.3	19.1	14.4	11.5	9.6	7.2	5.7	4.8	4.1	3.6	3.2	2.9	19.1	14.4	11.5	9.6	7.2	5.7	4.8	4.1	3.6	3.2	2.9
	70	0.34	44	34	25	20	16.8	12.6	10.1	8.4	7.2	6.3	5.6	5.0	22	16.8	13.5	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.4	22	16.8	13.5	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.4
	80	0.40	51	40	30	24	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9	26	19.8	15.8	13.2	9.9	7.9	6.6	5.7	5.0	4.4	4.0	26	19.8	15.8	13.2	9.9	7.9	6.6	5.7	5.0	4.4	4.0
	90	0.46	59	46	34	27	23	17.1	13.7	11.4	9.8	8.5	7.6	6.8	30	23	18.2	15.2	11.4	9.1	7.6	6.5	5.7	5.1	4.6	30	23	18.2	15.2	11.4	9.1	7.6	6.5	5.7	5.1	4.6
	100	0.54	69	53	40	32	27	20	16.0	13.4	11.5	10.0	8.9	8.0	36	27	21	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3	36	27	21	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3
QJ-VR-X1.0 PTC-VR-X1.0	10	0.13	17	12.9	9.7	7.7	6.4	4.8	3.9	3.2	2.8	2.4	2.1	1.9	8.6	6.4	5.1	4.3	3.2	2.6	2.1	1.8	1.6	1.4	1.3	8.6	6.4	5.1	4.3	3.2	2.6	2.1	1.8	1.6	1.4	1.3
	20	0.21	27	21	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1	13.9	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1	13.9	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1
	30	0.28	36	28	21	16.6	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	18.5	13.9	11.1	9.2	6.9	5.5	4.6	4.0	3.5	3.1	2.8	18.5	13.9	11.1	9.2	6.9	5.5	4.6	4.0	3.5	3.1	2.8
	40	0.35	45	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2	23	17.3	13.9	11.6	8.7	6.9	5.8	5.0	4.3	3.9	3.5	23	17.3	13.9	11.6	8.7	6.9	5.8	5.0	4.3	3.9	3.5
	50	0.44	56	44	33	26	22	16.3	13.1	10.9	9.3	8.2	7.3	6.5	29	22	17.4	14.5	10.9	8.7	7.3	6.2	5.4	4.8	4.4	29	22	17.4	14.5	10.9	8.7	7.3	6.2	5.4	4.8	4.4
	60	0.53	68	52	39	31	26	19.7	15.7	13.1	11.2	9.8	8.7	7.9	35	26	21	17.5	13.1	10.5	8.7	7.5	6.6	5.8	5.2	35	26	21	17.5	13.1	10.5	8.7	7.5	6.6	5.8	5.2
	70	0.64	82	63	48	38	32	24	19.0	15.8	13.6	11.9	10.6	9.5	42	32	25	21	15.8	12.7	10.6	9.1	7.9	7.0	6.3	42	32	25	21	15.8	12.7	10.6	9.1	7.9	7.0	6.3
	80	0.77	99	76	57	46	38	29	23	19.1	16.3	14.3	12.7	11.4	51	38	30	25	19.1	15.2	12.7	10.9	9.5	8.5	7.6	51	38	30	25	19.1	15.2	12.7	10.9	9.5	8.5	7.6
	90	0.90	115	89	67	53	45	33	27	22	19.1	16.7	14.9	13.4	59	45	36	30	22	17.8	14.9	12.7	11.1	9.9	8.9	59	45	36	30	22	17.8	14.9	12.7	11.1	9.9	8.9
	100	1.03	132	102	76	61	51	38	31	25	22	19.1	17.0	15.3	68	51	41	34	25	20	17.0	14.6	12.7	11.3	10.2	68	51	41	34	25	20	17.0	14.6	12.7	11.3	10.2
QJ-VR-X2.0 PTC-VR-X2.0	10	0.38	49	38	28	23	18.8	14.1	11.3	9.4	8.1	7.1	6.3	5.6	25	18.8	15.0	12.5	9.4	7.5	6.3	5.4	4.7	4.2	3.8	25	18.8	15.0	12.5	9.4	7.5	6.3	5.4	4.7	4.2	3.8
	20	0.57	73	56	42	34	28	21	16.9	14.1	12.1	10.6	9.4	8.5	38	28	23	18.8	14.1	11.3	9.4	8.1	7.1	6.3	5.6	38	28	23	18.8	14.1	11.3	9.4	8.1	7.1	6.3	5.6
	30	0.73	93	72	54	43	36	27	22	18.1	15.5	13.6	12.0	10.8	48	36	29	24	18.1	14.5	12.0	10.3	9.0	8.0	7.2	48	36	29	24	18.1	14.5	12.0	10.3	9.0	8.0	7.2
	40	0.87	111	86	65	52	43	32	26	22	18.5	16.1	14.4	12.9	57	43	34	29	22	17.2	14.4	12.3	10.8	9.6	8.6	57	43	34	29	22	17.2	14.4	12.3	10.8	9.6	8.6
	50	1.03	132	102	76	61	51	38	31	25	22	19.1	17.0	15.3	68	51	41	34	25	20	17.0	14.6	12.7	11.3	10.2	68	51	41	34	25	20	17.0	14.6	12.7	11.3	10.2
	60	1.20	154	119	89	71	59	45	36	30	25	22	19.8	17.8	79	59	48	40	30	24	19.8	17.0	14.9	13.2	11.9	79	59	48	40	30	24	19.8	17.0	14.9	13.2	11.9
	70	1.40	179	139	104	83	69	52	42	35	30	26	23	21	92	69	55	46	35	28	23	19.8	17.3	15.4	13.9	92	69	55	46	35	28	23	19.8	17.3	15.4	13.9
	80	1.61	206	159	120	96	80	60	48	40	34	30	27	24	106	80	64	53	40	32	27	23	19.9	17.7	15.9	106	80	64	53	40	32	27	23	19.9	17.7	15.9
	90	1.84	236	182	137	109	91	68	55	46	39	34	30	27	121	91	73	61	46	36	30	26	23	20	18.2	121	91	73	61	46	36	30	26	23	20	18.2
	100	2.07	265	205	154	123	102	77	61	51	44	38	34	31	137	102	82	68	51	41	34	29	26	23	20	137	102	82	68	51	41	34	29	26	23	20

SPEED RANGE FOR VARIOUS APPLICATION RATES

TIP PART NO.	GROUND SPEED RANGE (MPH) FOR 20" SPACING																GROUND SPEED RANGE (MPH) FOR 30" SPACING															
	5 GPA		10 GPA		15 GPA		20 GPA		25 GPA		30 GPA		35 GPA		40 GPA		5 GPA		10 GPA		15 GPA		20 GPA		25 GPA		30 GPA		35 GPA		40 GPA	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
QJ-VR-X0.5 PTC-VR-X0.5	5.3	32*	2.7	16	1.8	11	1.3	8.0	1.1	6.4	0.9	5.3	0.8	4.6	0.7	4.0	3.6	21	1.8	11	1.2	7.1	0.9	5.3	0.7	4.3	0.6	3.6	0.5	3.1	0.4	2.7
QJ-VR-X1.0 PTC-VR-X1.0	7.7	61*	3.9	31*	2.6	20	1.9	15	1.5	12	1.3	10	1.1	8.7	1.0	7.6	5.1	41*	2.6	20	1.7	14	1.3	10	1.0	8	0.9	7	0.7	6	0.6	5.1
QJ-VR-X2.0 PTC-VR-X2.0	23	123*	11	61*	7.5	41*	5.6	31*	4.5	25	3.8	20	3.2	18	2.8	15	15	82*	7.5	41*	5.0	27*	3.8	20	3.0	16	2.5	14	2.1	12	1.9	10

Flow Regulators - TeeJet

Typical Applications



FERTILIZER
DIRECTED
EXCELLENT

Flow Regulators are usually mounted behind cultivator shanks for the subsurface application of liquid fertilizers and soil fumigants. They are also used for above-ground streaming applications.



CP1322
1/4TT Body



5053
Strainer



CP4916
Orifice Plate



CP4928
Adapter 1/8" NPT (F)
Outlet



CP1325
Cap



Note: Always insert orifice plate with side marked with number facing the outlet.
MATERIAL: Stainless Steel

TIP STRAINER MESH RECOMMENDATION

FOR ORIFICE SIZE	USE MESH SIZE
15 and Smaller	200
16-39	100
40-70	50
72 and Larger	—

To determine the orifice plates you need, use the following equations:

$$\text{GPM (Per Nozzle)} = \frac{\text{GPA} \times \text{MPH} \times \text{W}}{5,940}$$

$$\text{GPA} = \frac{5,940 \times \text{GPM (Per Nozzle)}}{\text{MPH} \times \text{W}}$$

Tabulated flow rates are for spraying water into air at atmospheric pressure. If your application creates backpressure, or if spraying into a liquid, measure and calibrate to ensure proper application rates. For spraying solutions other than water, see page 185 for conversion factors.

- W = Nozzle spacing (in inches) for broadcast spraying.
- = Spray width (in inches) for single nozzle, band spraying or boomless spraying.
- = Row spacing (in inches) divided by the number of nozzles per row for directed spraying.

ORIFICE PLATE PART NO.	CAPACITY (GPM)						
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
CP4916-008	0.003	0.004	0.006	0.007	0.008	0.009	0.010
CP4916-10	0.005	0.007	0.009	0.011	0.013	0.015	0.016
CP4916-12	0.007	0.010	0.013	0.016	0.019	0.021	0.023
CP4916-14	0.009	0.013	0.018	0.022	0.025	0.028	0.031
CP4916-15	0.010	0.015	0.021	0.025	0.029	0.032	0.036
CP4916-16	0.012	0.017	0.023	0.029	0.033	0.037	0.040
CP4916-18	0.015	0.021	0.030	0.036	0.042	0.047	0.051
CP4916-20	0.018	0.026	0.037	0.045	0.052	0.058	0.064
CP4916-22	0.022	0.031	0.043	0.053	0.061	0.068	0.075
CP4916-24	0.026	0.037	0.052	0.064	0.074	0.083	0.091
CP4916-25	0.028	0.040	0.056	0.068	0.079	0.088	0.097
CP4916-26	0.030	0.043	0.061	0.074	0.086	0.096	0.105
CP4916-27	0.032	0.046	0.064	0.079	0.091	0.102	0.111
CP4916-28	0.035	0.049	0.069	0.085	0.098	0.110	0.120
CP4916-29	0.038	0.054	0.076	0.094	0.108	0.121	0.132
CP4916-30	0.040	0.057	0.081	0.099	0.114	0.127	0.140
CP4916-31	0.043	0.062	0.087	0.107	0.123	0.138	0.151
CP4916-32	0.048	0.068	0.095	0.117	0.135	0.151	0.165
CP4916-34	0.052	0.074	0.104	0.127	0.147	0.164	0.180
CP4916-35	0.056	0.079	0.111	0.136	0.157	0.176	0.192
CP4916-37	0.061	0.086	0.122	0.149	0.172	0.192	0.211
CP4916-39	0.068	0.096	0.135	0.165	0.191	0.214	0.234
CP4916-40	0.072	0.102	0.144	0.177	0.204	0.228	0.250
CP4916-41	0.075	0.106	0.149	0.183	0.211	0.236	0.258
CP4916-43	0.082	0.116	0.163	0.200	0.231	0.258	0.283
CP4916-45	0.088	0.125	0.177	0.217	0.250	0.280	0.306
CP4916-46	0.095	0.135	0.191	0.234	0.270	0.302	0.331

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F. See technical information (pages 179-202) for useful formulas and other technical information.

Flow Regulators - TeeJet

ORIFICE PLATE PART NO.	CAPACITY (GPM)						
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
CP4916-47	0.097	0.138	0.194	0.238	0.275	0.307	0.337
CP4916-48	0.101	0.143	0.202	0.248	0.286	0.320	0.350
CP4916-49	0.104	0.148	0.209	0.255	0.295	0.330	0.361
CP4916-51	0.116	0.165	0.233	0.285	0.329	0.368	0.403
CP4916-52	0.118	0.168	0.237	0.290	0.335	0.375	0.410
CP4916-54	0.127	0.180	0.255	0.312	0.360	0.402	0.441
CP4916-55	0.133	0.189	0.267	0.326	0.377	0.421	0.462
CP4916-57	0.141	0.200	0.283	0.346	0.400	0.447	0.490
CP4916-59	0.153	0.217	0.306	0.375	0.433	0.484	0.530
CP4916-61	0.165	0.233	0.330	0.404	0.466	0.521	0.571
CP4916-63	0.174	0.246	0.347	0.425	0.491	0.549	0.601
CP4916-65	0.185	0.261	0.369	0.452	0.522	0.584	0.639
CP4916-67	0.196	0.278	0.392	0.481	0.555	0.621	0.680
CP4916-68	0.203	0.287	0.405	0.496	0.573	0.641	0.702
CP4916-70	0.216	0.306	0.433	0.530	0.612	0.684	0.750
CP4916-72	0.226	0.320	0.453	0.554	0.640	0.716	0.784
CP4916-73	0.233	0.330	0.467	0.572	0.660	0.738	0.808
CP4916-75	0.245	0.347	0.491	0.601	0.694	0.776	0.850
CP4916-78	0.272	0.385	0.544	0.667	0.770	0.861	0.943
CP4916-80	0.280	0.397	0.561	0.687	0.793	0.887	0.971
CP4916-81	0.290	0.411	0.581	0.711	0.821	0.918	1.01
CP4916-83	0.317	0.449	0.634	0.777	0.897	1.00	1.10
CP4916-86	0.332	0.470	0.664	0.813	0.939	1.05	1.15
CP4916-89	0.346	0.490	0.693	0.849	0.980	1.10	1.20
CP4916-91	0.369	0.523	0.739	0.905	1.05	1.17	1.28
CP4916-93	0.387	0.547	0.774	0.947	1.09	1.22	1.34
CP4916-95	0.404	0.572	0.808	0.990	1.14	1.28	1.40

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F. See technical information (pages 179–202) for useful formulas and other technical information.

HOW TO ORDER

CP4916-008

Orifice Plate

Capacity
Size

ORIFICE PLATE PART NO.	CAPACITY (GPM)						
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
CP4916-98	0.442	0.625	0.884	1.08	1.25	1.40	1.53
CP4916-103	0.461	0.653	0.923	1.13	1.31	1.46	1.60
CP4916-107	0.518	0.733	1.04	1.27	1.47	1.64	1.79
CP4916-110	0.548	0.775	1.10	1.34	1.55	1.73	1.90
CP4916-115	0.605	0.855	1.21	1.48	1.71	1.91	2.09
CP4916-120	0.629	0.890	1.26	1.54	1.78	1.99	2.18
CP4916-125	0.693	0.980	1.39	1.70	1.96	2.19	2.40
CP4916-128	0.721	1.02	1.44	1.77	2.04	2.28	2.50
CP4916-132	0.774	1.10	1.55	1.90	2.19	2.45	2.68
CP4916-136	0.840	1.19	1.68	2.06	2.38	2.66	2.91
CP4916-140	0.894	1.27	1.79	2.19	2.53	2.83	3.10
CP4916-144	0.926	1.31	1.85	2.27	2.62	2.93	3.21
CP4916-147	0.953	1.35	1.91	2.33	2.70	3.01	3.30
CP4916-151	1.04	1.47	2.08	2.55	2.94	3.29	3.60
CP4916-156	1.10	1.55	2.20	2.69	3.11	3.47	3.80
CP4916-161	1.15	1.63	2.31	2.83	3.27	3.65	4.00
CP4916-166	1.21	1.72	2.43	2.97	3.43	3.84	4.20
CP4916-170	1.30	1.84	2.61	3.19	3.69	4.12	4.51
CP4916-172	1.36	1.92	2.71	3.32	3.84	4.29	4.70
CP4916-177	1.41	2.00	2.83	3.46	4.00	4.47	4.90
CP4916-182	1.47	2.08	2.95	3.61	4.17	4.66	5.10
CP4916-187	1.56	2.21	3.12	3.82	4.41	4.93	5.40
CP4916-196	1.73	2.45	3.46	4.24	4.90	5.47	6.00
CP4916-205	1.88	2.65	3.75	4.59	5.31	5.93	6.50
CP4916-218	2.11	2.98	4.21	5.16	5.96	6.66	7.30
CP4916-234	2.45	3.47	4.91	6.01	6.94	7.76	8.50
CP4916-250	2.83	4.00	5.66	6.93	8.00	8.94	9.80



Solid Stream Spray - StreamJet

Stainless Steel for Banding Fertilizers

- Permits banding fluids at high-rig speeds.
- Large orifices with no internal obstructions permit non-clogging suspension applications.
- Lower drift potential.
- See page 185 for liquid density conversion factors.
- For TP tips use Quick TeeJet® cap and gasket 114445A-1-CELR.



TIP PART NO.	PSI	CAPACITY ONE NOZZLE IN GPM	APPLICATION RATE FOR 30" SPRAY NOZZLE SPACING								
			4 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
TP0001-SS	10	0.050	2.5	1.7	1.2	0.99	0.83	0.71	0.62	0.55	0.50
	20	0.071	3.5	2.3	1.8	1.4	1.2	1.0	0.88	0.78	0.70
	30	0.087	4.3	2.9	2.2	1.7	1.4	1.2	1.1	0.96	0.86
	40	0.10	5.0	3.3	2.5	2.0	1.7	1.4	1.2	1.1	0.99
TP00015-SS	10	0.075	3.7	2.5	1.9	1.5	1.2	1.1	0.93	0.83	0.74
	20	0.11	5.4	3.6	2.7	2.2	1.8	1.6	1.4	1.2	1.1
	30	0.13	6.4	4.3	3.2	2.6	2.1	1.8	1.6	1.4	1.3
	40	0.15	7.4	5.0	3.7	3.0	2.5	2.1	1.9	1.7	1.5
H1/4U-SS0002 TP0002-SS	10	0.10	5.0	3.3	2.5	2.0	1.7	1.4	1.2	1.1	0.99
	20	0.14	6.9	4.6	3.5	2.8	2.3	2.0	1.7	1.5	1.4
	30	0.17	8.4	5.6	4.2	3.4	2.8	2.4	2.1	1.9	1.7
	40	0.20	9.9	6.6	5.0	4.0	3.3	2.8	2.5	2.2	2.0
H1/4U-SS0003 TP0003-SS	10	0.15	7.4	5.0	3.7	3.0	2.5	2.1	1.9	1.7	1.5
	20	0.21	10.4	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1
	30	0.26	12.9	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6
	40	0.30	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0
H1/4U-SS0004 TP0004-SS	10	0.20	9.9	6.6	5.0	4.0	3.3	2.8	2.5	2.2	2.0
	20	0.28	13.9	9.2	6.9	5.5	4.6	4.0	3.5	3.1	2.8
	30	0.35	17.3	11.6	8.7	6.9	5.8	5.0	4.3	3.9	3.5
	40	0.40	19.8	13.2	9.9	7.9	6.6	5.7	5.0	4.4	4.0
H1/4U-SS0006 TP0006-SS	10	0.30	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0
	20	0.42	21	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2
	30	0.52	26	17.2	12.9	10.3	8.6	7.4	6.4	5.7	5.1
	40	0.60	30	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9
H1/4U-SS0008 TP0008-SS	10	0.40	19.8	13.2	9.9	7.9	6.6	5.7	5.0	4.4	4.0
	20	0.57	28	18.8	14.1	11.3	9.4	8.1	7.1	6.3	5.6
	30	0.69	34	23	17.1	13.7	11.4	9.8	8.5	7.6	6.8
	40	0.80	40	26	19.8	15.8	13.2	11.3	9.9	8.8	7.9
H1/4U-SS0010 TP0010-SS	10	0.50	25	16.5	12.4	9.9	8.3	7.1	6.2	5.5	5.0
	20	0.71	35	23	17.6	14.1	11.7	10.0	8.8	7.8	7.0
	30	0.87	43	29	22	17.2	14.4	12.3	10.8	9.6	8.6
	40	1.00	50	33	25	19.8	16.5	14.1	12.4	11.0	9.9
H1/4U-SS0015 TP0015-SS	10	0.75	37	25	19	14.9	12.4	10.6	9.3	8.3	7.4
	20	1.06	52	35	26	21	17.5	15.0	13.1	11.7	10.5
	30	1.30	64	43	32	26	21	18.4	16.1	14.3	12.9
	40	1.50	74	50	37	30	25	21	18.6	16.5	14.9
H1/4U-SS0020 TP0020-SS	10	1.00	50	33	25	19.8	16.5	14.1	12.4	11.0	9.9
	20	1.41	70	47	35	28	23	19.9	17.4	15.5	14.0
	30	1.73	86	57	43	34	29	24	21	19.0	17.1
	40	2.00	99	66	50	40	33	28	25	22	19.8
H1/4U-SS0030 TP0030-SS	10	1.50	74	50	37	30	25	21	18.6	16.5	14.9
	20	2.12	105	70	52	42	35	30	26	23	21
	30	2.60	129	86	64	51	43	37	32	29	26
	40	3.00	149	99	74	59	50	42	37	33	30
H1/4U-SS0040 TP0040-SS	10	2.00	99	66	50	40	33	28	25	22	20
	20	2.83	140	93	70	56	47	40	35	31	28
	30	3.46	171	114	86	69	57	49	43	38	34
	40	4.00	198	132	99	79	66	57	50	44	40
H1/4U-SS0050	10	2.50	124	83	62	50	41	35	31	28	25
	20	3.54	175	117	88	70	58	50	44	39	35
	30	4.33	214	143	107	86	71	61	54	48	43
	40	5.00	248	165	124	99	83	71	62	55	50
H1/4U-SS0060	10	3.00	149	99	74	59	50	42	37	33	30
	20	4.24	210	140	105	84	70	60	52	47	42
	30	5.20	257	172	129	103	86	74	64	57	51
	40	6.00	297	198	149	119	99	85	74	66	59

Typical Applications

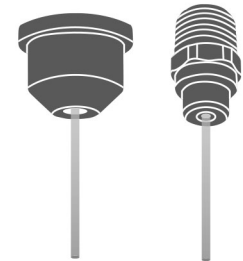


FERTILIZER
DIRECTED
EXCELLENT



DRIFT CONTROL
EXCELLENT

SPRAY PATTERN



MATERIALS AVAILABLE

SS STAINLESS STEEL

HOW TO ORDER

Stainless Steel

H 1 / 4 U - S S 0 0 1 0

Tip Type

Material
Code

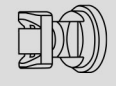
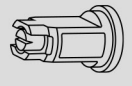
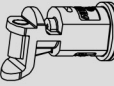
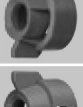
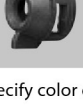
Capacity
Size

Caps - Quick TeeJet

COLOR CODE

1	2	3	4	5	6	7	8	9	10	11	12	13
Black	White	Red	Blue	Green	Yellow	Brown	Orange	Gray	Violet ³	Lt. Blue ⁴	Raspberry Red ⁵	Lt. Green ⁵

ORDERING INFORMATION

QUICK TEEJET CAPS	PART NUMBER		FOR USE WITH FLAT SPRAY TIPS 300 PSI MAXIMUM PRESSURE
	QUICK TEEJET CAP ONLY	QUICK TEEJET CAP & SEAT GASKET SET	
	CP114440A-*.CE	114441A-*.CELR	TeeJet® Flat Spray Tips (Smaller Capacities)  TP Standard -0067 to -08  XR TeeJet® -01 to -08  Turbo TwinJet® (TTJ60)  AIXR TeeJet® -015 to -06  AccuPulse® TwinJet® (APTJ)
		114441A-*.CELVI	
	CP25611-9-PP ¹	25612-9-PP ¹	 DG TeeJet®  Turbo TeeJet® (TT) -01 to -08  OC TeeJet® & TQ150
	CP25609-*.NY	25610-*.NYR	TeeJet Flat Spray Tips (Larger Capacities)  TP Standard -10 to -20  XR TeeJet® -10 to -15
	CP114442A-*.CE	114443A-*.CELR	 TJ60 TwinJet®  AI TeeJet® & AIUB TeeJet®  AI Turbo TwinJet® (AITTJ60) -02 to -06  Turbo TeeJet® Induction (TTI) -01 to -06  DG TwinJet®  SJ3 StreamJet  AIXR TeeJet® -08 to -10
		114443A-*.CELVI	
	CP115834A-*.CE	115835A-*.CELR	 Turbo TeeJet® Induction (TTI) -01 to -06
		115835A-*.CELVI	
	CP114501A-*.CE ⁶	114502A-*.CELR ⁶	 AI Turbo TwinJet® (AITTJ60) -08 to -15  Turbo TeeJet® Induction (TTI) -08 to -10  Turbo TeeJet® (TT) -10 to -12
		114502A-*.CELVI ⁶	
	CP98578-1-NY ²	98579-1-NYR ²	 AI3070
	CP25595-*.NY	25596-*.NYR	TeeJet Flat Spray Tips (Smaller Capacities) Tips can be positioned in choice of two spray plane directions—parallel or perpendicular to wings of Quick TeeJet cap.
	CP25599-*.NY	25600-*.NYR	 Turbo FloodJet®  TK-VP FloodJet®  TK-VS FloodJet® Locating Nib
	CP114444A-*.CE	114445A-*.CELR	 TK FloodJet®  TX/TXA ConeJet®  AITXA ConeJet  4916 Flow Regulator  Seal  Core CP18999-EPR (EPDM – Standard) CP18999-VI (FKM – Optional)
		114445A-*.CELVI	
	CP25607-9-PP ¹	25608-9-PP ¹	 FL FullJet®  TG Full Cone  Hose Shank  XE TeeJet  Disc  Core
	CP25607-*.NY	—	 Disc  Core  Seal CP18999-EPR Disc-Core (Insert Core into Seal)

*Specify color code (see chart above).

¹ These caps only available in gray.

² These caps only available in black.

³ Color available in CP114440A, CP114442A and CP114444A caps.

⁴ Color available in CP114440A, CP114442A and CP114501A caps.

⁵ Color available in CP114501A and CP114440A caps.

⁶ This cap offered in Black, White, Light Green, Light Blue and Raspberry Red only.

Quick TeeJet Cap & Seat Gasket Set



Caps - Quick TeeJet

COLOR CODE

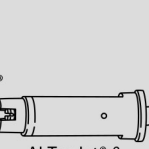
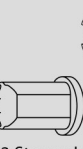
1	2	3	4	5	6	7	8	9	10	11	12	13
Black	White	Red	Blue	Green	Yellow	Brown	Orange	Gray	Violet ³	Lt. Blue ⁴	Raspberry Red ⁵	Lt. Green ⁵

ORDERING INFORMATION

QUICK TEEJET CAPS	PART NUMBER		FOR USE WITH FLAT SPRAY TIPS 300 PSI MAXIMUM PRESSURE
	QUICK TEEJET CAP ONLY	QUICK TEEJET CAP & SEAT GASKET SET	
	CP26277-1-NY ²	26278-1-NYR ²	    
	CP114395-1-NYB ²	114396-1-NYR ²	 114396-1-NYR includes gasket and O-Ring (CP7717-M10.5x1.5-VI). TXR ConeJet
	—	QJ4676-45-1/4-NYR ²	45° Quick TeeJet cap with 1/4" NPT female threaded outlet.
	—	QJ4676-90-1/4-NYR ²	90° Quick TeeJet cap with 1/4" NPT female threaded outlet.
	—	QJ4676-1/8-NYR ²	Permits use of standard 1/8" and 1/4" nozzles. Can be used for mounting pressure gauge at the nozzle. (B) = BSPT
	—	QJ(B)4676-1/4-NYR ²	
	—	114447A-1-CELR ²	Provides shutoff at nozzle for quick spacing change or change in spray swath.
	—	114447A-1-CELV ²	

² These caps only available in black.

CAPS FOR HARDI® NOZZLE BODIES

QUICK TEEJET CAPS	PART NUMBER		FOR USE WITH FLAT SPRAY TIPS 150 PSI MAXIMUM PRESSURE
	QUICK TEEJET CAP ONLY	QUICK TEEJET CAP & SEAT GASKET SET	
	CP21399-*.CE	21398H-*.CELR	      
	CP23307-*.CE	23306H-*.CELR	       
	CP58350-*.CE	58348H-*.CELR	     

Note: When using TeeJet tip strainer, use CP26227 gasket in place of CP23308 gasket. See page 137 for 55240 Hardi to TeeJet adapter.

*Specify color code (see chart above).

Push - To - Connect Caps & Bodies - Quick TeeJet

STRAIGHT CAP



QJ98588
QJ115825



QJ114398
QJ98586

SWIVEL CAP



QJ114404
QJ114405



QJ114403

90° CAPS



QJ98598



QJ98599

QUICK TEEJET OUTLET



QJ98590
QJ114400



QJ98592

BODY & CAP ASSEMBLY



QJ98594
QJ114401



QJ98595

PTC OUTLET BODY

QJ114430
QJ114432
QJ114434



- Fittings feature push to connect couplers for fast, easy, leak-free assembly.
- Offered in body, straight cap, 90° fixed cap and 90° swivel cap.
- Accepts plastic and soft metal tubing.
- Commonly used for liquid fertilizer application systems on planters and toolbars.
- Maximum operating pressure of 100 PSI.
- Caps include CP18999-EPR gasket.

HOW TO ORDER

Q J 9 8 5 9 5 - 1 / 4 - *

PART NUMBER	TUBING SIZE (O.D.)	DESCRIPTION
QJ98595-1/4-*	1/4"	Straight Cap & Body
QJ114401-5/16-*	5/16"	Straight Cap & Body
QJ98594-3/8-*	3/8"	Straight Cap & Body
QJ98592-1/4-*	1/4"	Body
QJ114400-5/16-*	5/16"	Body
QJ98590-3/8-*	3/8"	Body
QJ115825-3/16	3/16"	Straight Cap
QJ98588-1/4	1/4"	Straight Cap
QJ114398-5/16	5/16"	Straight Cap
QJ98586-3/8	3/8"	Straight Cap
QJ98598-90-1/4	1/4"	90° Fixed Cap
QJ98599-90-3/8	3/8"	90° Fixed Cap
QJ114403-1/4	1/4"	90° Swivel Cap
QJ114404-5/16	5/16"	90° Swivel Cap
QJ114405-3/8	3/8"	90° Swivel Cap
QJ114430-1/4-*	1/4"	Capless Body, PTC In & PTC Out
QJ114432-5/16-*	5/16"	Capless Body, PTC In & PTC Out
QJ114434-3/8-*	3/8"	Capless Body, PTC In & PTC Out

*Specify diaphragm check valve opening pressure.

Quick TeeJet - Nozzle Body Assembly for Dry Booms



QJ363C		
Part Number		To Fit Hose I.D.
Single	Double	
QJ363C-500-1-NYB	QJ363C-500-2-NYB	1/2"
QJ363C-750-1-NYB	QJ363C-750-2-NYB	3/4"
QJ363C-1000-1-NYB	QJ363C-1000-2-NYB	1"



QJ364C		
Part Number		To Fit Hose I.D.
Single	Double	
QJ364C-500-1-NYB	QJ364C-500-2-NYB	1/2"
QJ364C-750-1-NYB	QJ364C-750-2-NYB	3/4"
QJ364C-1000-1-NYB	QJ364C-1000-2-NYB	1"



QJ365C		
Part Number		To Fit Hose I.D.
Single	Double	
QJ365C-500-1-NYB	QJ365C-500-2-NYB	1/2"
QJ365C-750-1-NYB	QJ365C-750-2-NYB	3/4"
QJ365C-1000-1-NYB	QJ365C-1000-2-NYB	1"



QJ365C		
Part Number		To Fit Hose I.D.
Single	Double	
24230-1-540-NYB	24230-2-540-NYB	1/2"
24230-1-785-NYB	24230-2-785-NYB	3/4"

Multiple Nozzle Body Features

- Positive shut-off between positions
- Includes ChemSaver diaphragm for drip-free shutoff
- Diaphragm is made of EPDM; Viton material is optional
- Max pressure 300 PSI (20 bar)
- 24230 is available with 3 spray positions, 1/2" or 3/4" hose barb connections
- QJ360A series are available with 3, 4, or 5 spray positions with 1/2", 3/4", or 1" hose barb connections



QJ39685 Series Quick Jet

Nozzle Assemblies

- Max. Pressure - 300 PSI (20 Bar)
- Includes ChemSaver diaphragm for drop free shut-off
- Viton optional



QJ300 Series Diaphragm Check Valve Quick TeeJet

Nozzle Assemblies

- Max. Pressure - 300 PSI (20 bar)
- Includes ChemSaver diaphragm for drip free shut-off
- Viton Optional



QJ200 Series Diaphragm Check Valve Quick TeeJet

Nozzle Assemblies

- Max. Pressure - 125 PSI (9 Bar)
- Includes ChemSaver diaphragm for drip free shut-off
- Viton Optional

QJ100 Series Diaphragm Quick TeeJet Nozzle

Assemblies

Max. Pressure - 125 PSI (9 Bar)

QJ39685		
	Part Number Single Left	To Fit Hose I.D.
	QJ39685-1L-500-NYB	
	Part Number Double	
	QJ39685-2-500-NYB	
	Part Number Single Right	1/2"
	QJ39685-1R-500-NYB	

QJ300		
	Part Number Single	To Fit Hose I.D.
	22251-311-375-NYB	
	22251-311-500-NYB	
	22251-311-750-NYB	
	Part Number Double	To Fit Hose I.D.
	22252-312-375-NYB	
	22252-312-500-NYB	
	22252-312-750-NYB	

Quick TeeJet

QJ100		
	Part Number Single	To Fit Hose I.D.
	18635-111-406-NYB	
	18638-111-540-NYB	
	18719-111-785-NYB	
	Part Number Double	To Fit Hose I.D.
	18636-112-406-NYB	
	18639-112-540-NYB	
	18720-112-785-NYB	
	Part Number Triple	To Fit Hose I.D.
	18637-113-406-NYB	
	18640-113-540-NYB	
	18721-113-785-NYB	

QJ200		
	Part Number Single	To Fit Hose I.D.
	19349-211-406-NYB	
	19349-211-540-NYB	
	19349-211-785-NYB	
	Part Number Double	To Fit Hose I.D.
	19350-212-406-NYB	
	19350-212-540-NYB	
	19350-212-785-NYB	
	Part Number Triple	To Fit Hose I.D.
	19351-213-406-NYB	
	19351-213-540-NYB	
	19351-213-785-NYB	

Quick TeeJet - Nozzle Bodies & Assemblies for Wet Booms

QJ363C



QJ363C	
Part Number	To Clamp on
QJ363-1/2-NYB	1/2" pipe
QJ363C-3/4-NYB	3/4" pipe
QJ363C-1-NYB	1" pipe

QJ364C



QJ364C	
Part Number	To Clamp on
QJ364C-1/2-NYB	1/2" pipe
QJ364C-3/4-NYB	3/4" pipe
QJ364C-1-NYB	1" pipe

QJ365C



QJ365C	
Part Number	To Clamp on
QJ365C-1/2-NYB	1/2" pipe
QJ365C-3/4-NYB	3/4" pipe
QJ365C-1-NYB	1" pipe

24216A



24216A	
Part Number	To Clamp on
24216-1/2-NYB	1/2" pipe
24216-3/4-NYB	3/4" pipe
24216-1-NYB	1" pipe

QJ22187-NYB



QJ22187-NYB	
Part Number	To Clamp on
QJ22187-1/2-NYB	1/2" pipe
QJ22187-3/4-NYB	3/4" pipe
QJ22187-1-NYB	1" pipe

QJ17560A-NYB



QJ17560A-NYB	
Part Number	To Clamp on
QJ17560-1/2-NYB	1/2" pipe
QJ17560-3/4-NYB	3/4" pipe
QJ17560-1-NYB	1" pipe

QJ7421-NYB



QJ7421-NYB	
Part Number	To Clamp on
QJ7421-1/2-NYB	1/2" pipe
QJ7421-3/4-NYB	3/4" pipe
QJ7421-1-NYB	1" pipe

Multiple Nozzle Body Features

- Positive shut-off between positions
- Includes ChemSaver diaphragm for drip-free shutoff
- Diaphragm is made of EPDM; Viton material is optional
- Max pressure 300 PSI (20 bar)
- Available in 20 mm tubing, 1/2", 3/4", or 1" pipe connections
- 24216 are available with 3 spray positions
- QJ360A series is available with 3, 4, or 5 spray positions

QJT8360-NYB

QJP19011-NYB

QJ8355-NYB

QJ8360-NYB

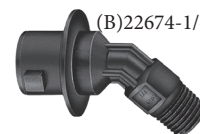


Part Number	Description
QJ8355-NYB	1/4" NPT (F) Thread
QJ(B)8360-NYB	1/4" NPT (M) Thread
QJT8360-NYB	1 1/6" - 16 TeeJet Threaded
QJ38621-NYB	w/2# check
QJP19011-NYB	3/8" BSPP

QJ(B)1/4TT-NYB

QJ1/4T-NYB & QJT-NYB

(B)22674-1/4-NYB



Part Number	Description
QJT-NYB	1 1/6" - 16 TeeJet Thread
(B)QJ1/4-NYB	1/4" NPT (F) Thread
QJP3/8T-NYB	3/8" BSPP
QJ(B)1/4TT-NYB	1/4" NPT (M) Thread
(B)22674-1/4-NYB	1/4" NPT (M) Thread



CP20266-EPDM
Gasket for QJT
8360-NYB

21953 Diaphragm

EPR or Viton

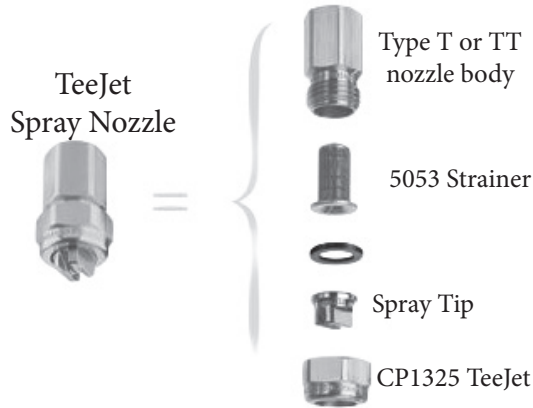
Note: Nib on Diaphragm fits into hole in end cap assembly



21950-* -NYB ChemSaver

End Cap Assembly
Nylon/polypropylene

TeeJet Nozzle Parts



TeeJet Nozzle Caps	
TeeJet Cap No.	Material
CP1325	Brass
CP8027-NYB	Nylon
CP8027-1-NYB	Nylon(Extra Long Size)
CP1325-AL	Aluminum
CP1325-I	Steel
CP1325-SS	Stainless Steel
CP18032A-NYB	Winged Cap, Nylon

11750 TeeJet Check Valve



For Larger capacity TeeJet Nozzles where strainers are not required. Ball check opens at 5 PSI; 10 PSI spring also available. Recommended for flow rates from .40 to 1.5 GPM. Made in choice of stainless steel, brass, aluminum, or polypropylene with stainless steel ball and spring



Type-TT
Male Inlet NPT
or BSPT Connection



TeeJet Nozzle Bodies		
TeeJet Body No.	For TeeJet Nozzle Type	Material
CP1336	1/8TT	Brass
CP1322	1/4TT	Brass
CP8028-NYB	1/4TT-NYB	Nylon
CP1322-SS	1/4TT-SS	Stainless Steel
CP1324	3/8TT	Brass
CP1340	1/2TT	Brass

45 ° Nozzle Body		
TeeJet Body No.	Inlet	Outlet
22669-1/4-PPB	1/4" MM	11/16"-16" (M)



Type-T
Female Inlet NPT
or BSPT Connection



Type - T		
TeeJet Body No.	For TeeJet Nozzle Type	Material
CP1335	1/8T	Brass
CP1321	1/4T	Brass
CP12094-NYB	1/4T-NYB	Nylon
CP1321-SS	1/4T-SS	Stainless Steel
CP1323	3/8TT	Brass
CP1339	1/2T	Brass

Clamp Assemblies	
Part No.	To Clamp On
AA111-1/2	1/2" Pipe (13/16" & 7/8" O.D. Tubing)
AA111-3/4	3/4" Pipe (1" & 1 1/16" O.D. Tubing)
AA111-1	1" Pipe (1 1/8", 1 1/4" & 1 3/8" O.D. Tubing)
AA111-11/4	1 1/4" Tubing (1 9/16 & 1 11/16 O.D. Tubings)
AA111SQ-1	1" Square Tubing
AA111SQ-11/4	1 1/4" Square Tubing
AA111SQ-11/2	1 1/2" Square Tubing

TeeJet Swivel Nozzle Parts

Quick TeeJet Swivel

Nozzle Bodies

QJ8600 swivel Quick TeeJet nozzle body assemblies provide the same spray tip adjustability of a standard TeeJet threaded swivel plus the quick change and self-aligning features of the Quick TeeJet System.



Part No.	Inlet Connection	Material
QJ8600-1/4-NYB	1/4" NPT (F)	Nylon



Part No.	Inlet Connection	Material
QJ8600-2-1/4-NYB	1/4" NPT (F)	Nylon

Swivel Nozzle Bodies

TeeJet swivel nozzle bodies are primarily for use with tips employed in row crop spraying. A locknut holds swivel bodies firmly in position at selected spray projection angle so they are not affected by jarring and vibration. For use at pressures up to 125 PSI.



Part No.	Inlet Connection	Material	Swivel Arc Range
8600-1/4T-NYB	1/4" NPT (F)	Nylon	280 °



Part No.	Inlet Connection	Material	Swivel Arc Range
8600-2-1/4T-NYB	1/4" NPT (F)	Nylon	360 °



Part No.	Inlet Connection	Material	Swivel Arc Range
4202-2-1/4T	1/4" NPT (F)	Brass	280 °



Part No.	Inlet Connection	Material	Swivel Arc Range
5932-2-1/4T	1/4" NPT (F)	Brass	280 °



Part No.	Inlet Connection	Material	Swivel Arc Range
5540-1/4TT	1/4" NPT (M)	Brass	280 °



Part No.	Inlet Connection	Material	Swivel Arc Range
7620-T	1/4" NPT (F)	Brass	280 °



Part No.	Inlet Connection	Material	Swivel Arc Range
5000-1/4TT	1/4" NPT (F)	Brass	280 °



Part No.	Inlet Connection	Material	Swivel Arc Range
7450-2T	1/4" NPT (F)	Brass	360 °



Part No.	Inlet Connection	Material	Swivel Arc Range
6240-1/4TT	1/4" NPT (M)	Brass	280 °

TeeJet Hose Drops

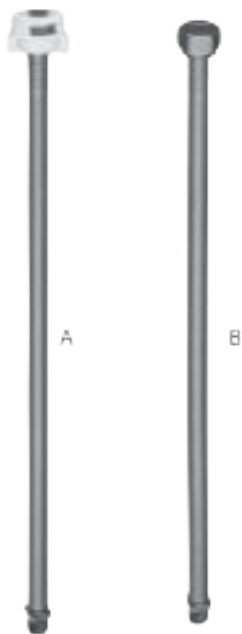
Hose drops connect to standard and Quick TeeJet nozzle bodies and can also be used with swivels. Available in 15" (380mm) and 24" (610mm) lengths. Maximum operating pressure 125 PSI.

Note: QJ1/4T-NYB can be attached to hose drops for use with Quick TeeJet caps.

Item	Hose Drop No.	Length	Inlet Connection	Outlet Connection
A	21353-6-15-NYB	15"	Quick TeeJet Type	1/4" NPT (M)
	21353-3-24-NYB	24"		
B	21354-15-NYB	15"	11/16" - 16 TeeJet Thread	
	21354-24-NYB	24"		



Drop Nozzle Accessories



21353-6-15-NYB 21354-6-15-NYB
21353-6-24-NYB 21354-6-24-NYB



8121-NYB-406TD 3/8"
8121-NYB-540TD 1/2"



18635-111-406-NYB 3/8"
18638-211-500-NYB 1/2"



4-JM Clamps 3/8" Hose
6-JM Clamps 1/2" Hose



NB100-3/8 Hose 3/8"
NB100-1/2 Hose 1/2"



GPHRZN-3/8 Hose 3/8"
GPHRZN-1/2 Hose 1/2"



114445A-6-CELR
CP19438-EPR



8079-PP-50



8400-406-NYB 3/8"
8400-500-NYB 1/2"



CP4916-*



CP18999-EPR

TeeJet - Tip Strainers



8079 6051 19845-PP

TeeJet Strainers

Strainers protect spray tip orifices from clogging and damage. Stainless steel screens are available in 24, 50, 80, 100, & 200 mesh. 19845 tip strainers are available in 25 & 50 mesh only

TeeJet Strainer Number	Strainer Body & Cap Material	Mesh Screen Material
5053*	Brass	Stainless Steel
8079-PP*	Polypropylene	Stainless Steel
6051-SS*	Stainless Steel	Stainless Steel
19845-PP*	Polypropylene	Polypropylene

55215 Self-Retaining Tip Strainer Features:

- For use with Quick TeeJet caps
- Allows tip strainer to be easily removed from nozzle body for cleaning
- 50 to 100 mesh color-coded strainer with optional EDPM or Viton gasket



TeeJet Slotted Strainers

One-Piece strainers for use with liquids contacting suspended solids



TeeJet Strainer Number	Available Material	Equivalent To Mesh Size
4514-*-10	Brass Or Nylon	50
4514-*-20	Brass, Aluminum, or Nylon	25
4514-*-16	Brass, Aluminum, or Nylon	16

4193A TeeJet Strainer and Check Valves

Minimizes nozzle dripping; fits all TeeJet nozzles. Ball check opens at 5 PSI (0.34 bar). Recommended for flow rates up to 0.8 GPM (3 l/min). 24, 50, 100, & 200 mesh screens. Not for use with AI or DG tips.

Note: Use of these ball check valves results in a pressure drop of 5 PSI (0.34 bar) depending on spring rating.

Check Valve Number	Body & Cap Screw Material	Mesh Screen Material	Ball Material
4193A-*-*	Brass	Stainless Steel	Stainless Steel
4193A-SS-*-*	Stainless Steel	Stainless Steel	Stainless Steel
4193A-PP-*-*	Polypropylene	Stainless Steel	Viton
4193A-PP-*-SS-*	Polypropylene	Stainless Steel	Stainless Steel

TeeJet - Line Strainers

The AA122 line strainers features a compact size that is well suited for small agricultural and turf sprayers. The AA122 is constructed of polypropylene head and bowl with stainless steel screen for excellent chemical resistant and is available with 1/2" or 3/4" (F) NPT pipe connections. The maximum pressure rating is 150 PSI (10 bar).



AA122-PP
Compact
Liquid Strainer



AA122-ML
Compact
Liquid Strainer



37270-122-PP
Flush-Out
Strainer

37270-122-PP

The screen may be periodically flushed by opening a valve (valve not included) in flush out line.

23174



Strainer Number	Pipe Conn	Approximate Flow Rate w/ 5 PSI (0.34 bar) Pressure Drop in GPM (l/min)
AA(B)122-1/2-PP-*	1/2"	12 (45)
AA(B)122-3/4-PP-*	3/4"	16 (60)
AA(B)122ML-1/2-PP-*	1/2"	12 (45)
AA(B)122ML-3/4-PP-*	3/4"	16 (60)
(B)37270-122-1*2-PP-*	1/2"	12 (45)
(B)37270-122-3/4-PP-*	3/4"	16 (60)

Screen		Pressure Rating PSI (bar)
Mesh Size	Part Number	
16	CP23174-1-SS	150 PSI (10 bar)
30	CP23174-2-SS	
50	CP45102-3-SS	
80	CP45102-4-SSPP	
100	CP45102-5-SSPP	
200	CP23174-7-SS	

DirectoVavle - Electric Pressure Regulating Valves

Model 21773-244C-3/4 Remote Control Electric Regulating Valve

The AA24C-3/4 butterfly valve provides remote pressure control. Features two-wire leads for use in 12 VDC system, reduced pressure loss, (5 PSI for 28 GPM flow), and maximum operating pressure of 100 PSI. 3/4" NOT (F) connections. Good corrosion resistance. Low current draw (0.15 AMP).



Model 344BPR-2 Linear Pressure Regulating Valve

The 344BPR-23-OIC two-way linear pressure regulating valve is designed to provide gradual and smoother regulation and shut-off control in agriculture spraying operations. Features two-wire lead that provides easy installation with 744 sprayer control and similar 12VDC systems. Low power consumption (1.0 AMP). Pressure drop of 5 PSI (0.35 bar) at 12 GPM (53 l/min). Maximum operating pressure of 300 PSI (20 bar). Available with 3/4" and 1" connections NPT or BSPT (F).



Model 346BR-26-01C Pressure Regulating Valve

A pressure drop of 5 PSI (3.5 bar) at 85 GPM. Available at two different speeds. 6 seconds and 18 seconds, fully open to fully closed. Available with 1 1/4" and 1 1/2" NPT or BSPT (F) or with 1" flanged connections. Maximum pressure rating of 150 PSI (10 bar).



Model 344BRL-23-01C Pressure regulating Valve

Larger capacity than the 344BRL-23-01C with a pressure drop of 5 PSI (0.35 bar) at 27 GPM (102 l/min) and a cycle time from fully open to closed in 12 seconds. Maximum pressure rating of 300 PSI (20 bar).



Gauge Insulator Kit Model 23800A

The optional TeeJet Gauge Isolator Kit provides additional insurance against chemical exposure to the pressure gauge and to the operator. The insulator is mounted in the pressure gauge line outside the cab. The gauge side of the isolator requires Glycerin or ATF (automatic transmission fluid) fill.

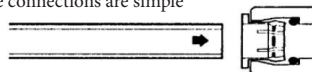
- Mounts through a 13/16" (22mm) hole in up to 14 gauge (0.078" /2") material.
- Available with 1/8" or 1/4" NPT (F) connections
- The kit includes instructions and all necessary hardware required to install the gauge isolator. Also comes with filling bottle.
- Materials exposed to chemical solutions are Viton and Acetal.

Push-in Tube Fittings

Push-in Tube Fittings

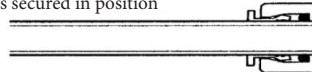
- ▶ No tools needed, Easy to install
- ▶ NSF listed, FDA approved materials
- ▶ Grey acetal
- ▶ Fit tubes from 5/32" to 1/2" O.D.
- ▶ Specifications:
 - Temp Air: 114 °F to 167 °F
 - Water: 33 °F to 140 °F
 - Pressure: 0-150 Lbs PSI

Secure connections are simple



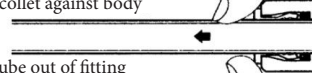
Cut the tube square and push past the o-ring to the tube stop

Tube is secured in position



Disconnection is just as easy

Push collet against body



Slide tube out of fitting



Part No.	O.D.	MPT
JGMC2532	5/32"	1/8"
JGMC4532	5/32"	1/4"
JGMC23	3/16"	1/8"
JGMC24	1/4"	1/8"
JGMC44	1/4"	1/4"
JGMC64	1/4"	3/8"
JGMC25	5/16"	1/8"
JGMC45	5/16"	1/4"
JGMC65	5/16"	3/8"
JGMC26	3/8"	1/8"
JGMC46	3/8"	1/4"
JGMC66	3/8"	3/8"
JGMC86	3/8"	1/2"
JGMC68	1/2"	3/8"
JGMC88	1/2"	1/2"



Part No.	HBLD	STOD
JGTS43	3/16"	1/4"
JGTS44	1/4"	1/4"
JGTS45	5/16"	1/4"
JGTS53	3/16"	5/16"
JGTS54	1/4"	5/16"
JGTS55	5/16"	5/16"
JGTS56	3/8"	5/16"
JGTS64	1/4"	3/8"
JGTS65	5/16"	3/8"
JGTS66	3/8"	3/8"
JGTS68	1/2"	3/8"
JGTS86	3/8"	1/2"
JGTS88	1/2"	1/2"

Part No.	O.D.	O.D.
JGUTC532	5/32"	
JGUTC333	3/16"	
JGUTC444	1/4"	
JGUTC555	5/16"	
JGUTC666	3/8"	
JGUTC888	1/2"	
JGUTC466	1/4"	3/8"
JGUTC688	3/8"	1/2"



Part No.	O.D.	MPT
JGME24	1/4"	1/8"
JGME44	1/4"	1/4"
JGME64	1/4"	3/8"
JGME46	3/8"	1/4"
JGME66	3/8"	3/8"



Part No.	HBLD	STOD
JGTLS44	1/4"	1/4"
JGTLS45	5/16"	1/4"
JGTLS54	1/4"	5/16"
JGTLS55	5/16"	5/16"
JGTLS64	1/4"	3/8"
JGTLS65	5/16"	3/8"

Part No.	O.D.	O.D.
JGULC532	5/32"	5/32"
JGULC33	3/16"	3/16"
JGULC44	1/4"	1/4"
JGULC55	5/16"	5/16"
JGULC66	3/8"	3/8"
JGULC88	1/2"	1/2"
JGRLC5532	5/32"	5/16"
JGRLC53	3/16"	5/16"
JGRLC54	1/4"	5/16"
JGRLC63	3/16"	3/8"
JGRLC64	1/4"	3/8"
JGRLC65	5/16"	3/8"
JGRLC86	3/8"	1/2"



Part No.	O.D.	MPT
JGMT2532	5/32"	1/8"
JGMT4532	5/32"	1/4"
JGMT23	3/16"	1/8"
JGMT24	1/4"	1/8"
JGMT44	1/4"	1/4"
JGMT25	5/16"	1/8"
JGMT45	5/16"	1/4"
JGMT65	5/16"	3/8"
JGMT46	3/8"	1/4"
JGMT66	3/8"	3/8"
JGMT68	1/2"	3/8"
JGMT88	1/2"	1/2"



Part No.	T/OD	STOD
JGTEC532	5/32"	5/32"
JGTEC33	3/16"	3/16"
JGTEC44	1/4"	1/4"
JGTEC55	5/16"	5/16"
JGTEC63	3/16"	3/8"
JGTEC64	1/4"	3/8"
JGTEC65	5/16"	3/8"
JGTEC66	3/8"	3/8"
JGTEC88	1/2"	1/2"



Push-in Tube Fittings



Part No.	O.D.	O.D.
JGUC532	5/32"	5/32"
JGUC33	3/16"	3/16"
JGUC44	1/4"	1/4"
JGUC55	5/16"	5/16"
JGUC66	3/8"	3/8"
JGUC88	1/2"	1/2"
JGRUC43	3/16"	1/4"
JGRUC5532	5/32"	5/16"
JGRUC53	3/16"	5/16"
JGRUC54	1/4"	5/16"
JGRUC63	3/16"	3/8"
JGRUC64	1/4"	3/8"
JGRUC65	5/16"	3/8"
JGRUC85	5/16"	1/2"
JGRUC86	3/8"	1/2"

Part No.	T/OD	STOD
JGTRC3532	5/32"	3/16"
JGTRC53	3/16"	5/16"
JGTRC54	1/4"	5/16"
JGTRC63	3/16"	3/8"
JGTRC64	1/4"	3/8"
JGTRC65	5/16"	3/8"
JGTRC85	5/16"	1/2"
JGTRC86	3/8"	1/2"

Part No.	O.D.	FPT
JGFC44	1/4"	1/4"
JGFC46	3/8"	1/4"

Part No.	O.D.	O.D.
JGBUC532	5/32"	5/32"
JGBUC33	3/16"	3/16"
JGBUC44	1/4"	1/4"
JGBUC55	5/16"	5/16"
JGBUC64	1/4"	3/8"
JGBUC66	3/8"	3/8"
JGBUC88	1/2"	1/2"

Part No.	O.D.	O.D.
JGDC444	1/4"	
JGDC555	5/16"	
JGDC666	3/8"	
JGDC888	1/2"	

Part No.	O.D.	O.D.
JGCR6	3/8"	



Part No.	O.D.	O.D.
JGUC44BP	1/4"	1/4"
JGUC55BP	5/16"	5/16"
JGUC66BP	3/8"	3/8"
JGRUC64BP	1/4"	3/8"

Part No.	O.D.	O.D.
JGULC44BP	1/4"	1/4"
JGULC66BP	3/8"	3/8"

Part No.	O.D.	O.D.
JGUTC444BP	1/4"	
JGUTC666BP	3/8"	

Part No.	T/OD	STOD
JGTEC44BP	1/4"	1/4"
JGTEC66BP	3/8"	3/8"

Part No.	O.D.	MPT
JGMT44BP	1/4"	1/4"

Part No.	O.D.	FPT
JGFC44BP	1/4"	1/4"

Part No.	O.D.	O.D.
JGV44	1/4"	1/4"
JGV66	3/8"	3/8"
JGV88	1/2"	1/2"

Part No.	O.D.	O.D.
JGCV44	1/4"	
JGVC66	3/8"	

Polyethylene Tubing	Part No.	I.D.	O.D.
100 ft coils Also available in 500 ft and 1000 ft. Natural color is standard other colors available.	JGPT21	.085	.125
	JGPT42	.125	.250
	JGPT43	.170	.250
	JGPT64	.250	.375
	JGPT86	.375	.500

Part No.	O.D.	MPT
JGMC24BP	1/4"	1/8"
JGMC44BP	1/4"	1/4"
JGMC64BP	1/4"	3/8"
JGMC46BP	3/8"	1/4"
JGMC66BP	3/8"	3/8"
JGMC86BP	3/8"	1/2"
JGMC88BP	1/2"	1/2"
JGME24BP	1/4"	1/2"
JGME44BP	1/4"	1/8"
JGME64BP	1/4"	1/4"
JGME66BP	3/8"	3/8"

DirectoValve - Manual Valves



Model 8460 & 9840



Model 23120



Model 6815



Model 23520

Pressure Relief/Regulating Valves				
Model No.	Material (Inlet Body)	Max. Pressure	Inlet	Outlet
8460-1/2-50*	Nylon	50 PSI (3.5 bar)	1/2" (F)	1/2" (M)
8460-3/4-50*	Nylon	50 PSI (3.5 bar)	3/4" (F)	3/4" (M)
8460-1/2	Nylon	300 PSI (20 bar)	1/2" (F)	1/2" (M)
8460-3/4"	Nylon	300 PSI (20 bar)	3/4" (F)	3/4" (M)

Model 23120 Pressure Relief/Regulating Valves				
Model No.	Material (Inlet Body)	Max. Pressure	Inlet	Outlet
(B) 23120-1/2-PP	Polypropylene, SS	150 PSI (10 bar)	1/2" (M)	1/2" (F)
(B) 23120-3/4-PP	Polypropylene, SS	150 PSI (10 bar)	3/4" (M)	3/4" (F)
(B) 23120A-1/2-PP	Polypropylene, 316SS	150 PSI (10 bar)	1/2" (M)	1/2" (F)
(B) 23120A-3/4-PP	Polypropylene, 316SS	150 PSI (10 bar)	3/4" (M)	3/4" (F)
(B) 23120-1/2-PP-60	Polypropylene, SS	60 PSI (4 bar)	1/2" (M)	1/2" (F)
(B) 23120-3/4-PP-60	Polypropylene, SS	60 PSI (4 bar)	3/4" (M)	3/4" (F)

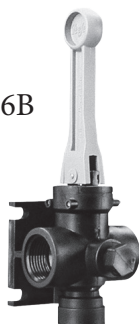
Model 6815 Pressure Relief/Regulating Valves			
Model No.	Material (Inlet Body)	Inlet & Pipe Connections	Max. Pressure
(B) 6815-*-50	Brass or Aluminum	1/2" or 3/4"	Up to 50 PSI (3.5 bar)
(B) 6815-*-300	Brass or Aluminum	1/2" or 3/4"	Up to 300 PSI (20 bar)
(B) 6815-*-700	Brass or Aluminum	1/2" or 3/4"	Up to 700 PSI (48 bar)

Model 23520 Throttling Valve				
Model No.	Material (Inlet Body)	Max. Pressure	Inlet	Outlet
(B) 23520-1/2-PP	Polypropylene, EPDM	150 PSI (10 bar)	1/2" (M)	1/2" (F)
(B) 23520-3/4-PP	Polypropylene, EPDM	150 PSI (10 bar)	3/4" (M)	3/4" (F)

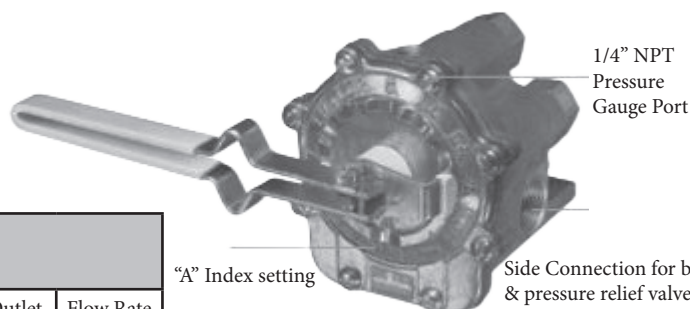
Tee Valves

Control Valves

Model 6B



Model AA6B					
Model No.	Material (Inlet Body)	Max. Pressure	Inlet	Outlet	Flow Rate
AA(B)6B	Polypropylene, SS, Viton	150 PSI (10 bar)	3/4" (F)	1/2" (F)	12 GPM (45 l/min)



Model AA17					
Model No.	Material (Inlet Body)	Max. Pressure	Inlet	(3) Boom Outlet	Flow Rate
AA17Y	Aluminum, Polymer, SS	300 PSI (20 bar)	1" NPT	3/4" (F)	3/4" (F)

CALC-AN-ACRE[®] LR

SPEED, AREA & DISTANCE MONITOR



Calc-An-Acre II was the original low-cost acre counter. Now, this easy-to-use monitor is an even greater value. In addition to providing accurate speed, area and distance measurement, the new Calc-An-Acre LR includes two independent hour counters, an area per hour function and a width reduction feature to measure the effective coverage area in spraying applications. The console, speed sensor, cabling and connectors have also been completely redesigned to improve performance and provide greater overall reliability.

Typical Applications:

The Calc-An-Acre LR can be installed on most types of equipment, including tractors, sprayers, combines, ATV's and trucks.

It can be used in a wide range of work situations to help eliminate waste, increase productivity and track progress:

Chemical/Fertilizer Application-

Monitor and maintain ground speed with greater ease for more consistent application. Compare chemical or fertilizer usage to an accurate measure of the coverage area to verify correct application rates.

Test Plots-

Accurately set up test plots to compare the performance of different seed varieties, tillage practices, herbicides, etc.

Harvesting-

Measure total area, individual fields or parts of a field for accurate yield calculations and spot checks.

Record Keeping-

Know the correct area covered when leasing equipment or performing custom work.

General Management-

Perform timely equipment maintenance, plan work schedules and estimate completion time.

The versatility of Calc-An-Acre II makes it a tool for all seasons that quickly pays for itself.



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MICRO-TRAK[®]
SYSTEMS, INC.
An Electronics Company



www.masspray.com

505 Blue Ball Road, P O Box 249, Elkton, MD 21922
john@masspray.com

Phone: 410-398-4142

Fax: 410-392-4912

Customer Account Application

Name: _____

Business Address: _____

Business email: _____ phone: _____

Type: Sole Propriety _____ Partnership _____ Corporation _____ LLC _____

Shipping Address for Orders: _____

Person authorized to place orders: _____ email: _____ phone: _____

Accounts Payable email for invoicing: _____ contact name: _____ phone: _____

Accounts Payable mailing address: _____

Is business Sales Tax Exempt? Yes ___ or No ___ If yes, Tax Exempt ID number: _____

A copy of the Sales Tax Exempt Certificate must be emailed to: john@masspray.com

Bank Reference Name: _____

Contact Person and Number: _____ email: _____

Address: _____

Trade References:

1. Name: _____ Account# _____

Contact Person and Number: _____ email: _____

Address: _____

2. Name: _____ Account# _____

Contact Person and Number: _____ email: _____

Address: _____

3. Name: _____ Account# _____

Contact Person and Number: _____ email: _____

Address: _____

The undersigned individual who are all or majority owners of the applicant do hereby guarantee the prompt payment by applicant of all of its obligations in accordance with the follow terms: Payment due Net 30 Days from date of invoice. Applicant does hereby agree to pay 1 ½ % month fiancé charge on any overdue balance past 30 days.

Signature: _____ Date: _____

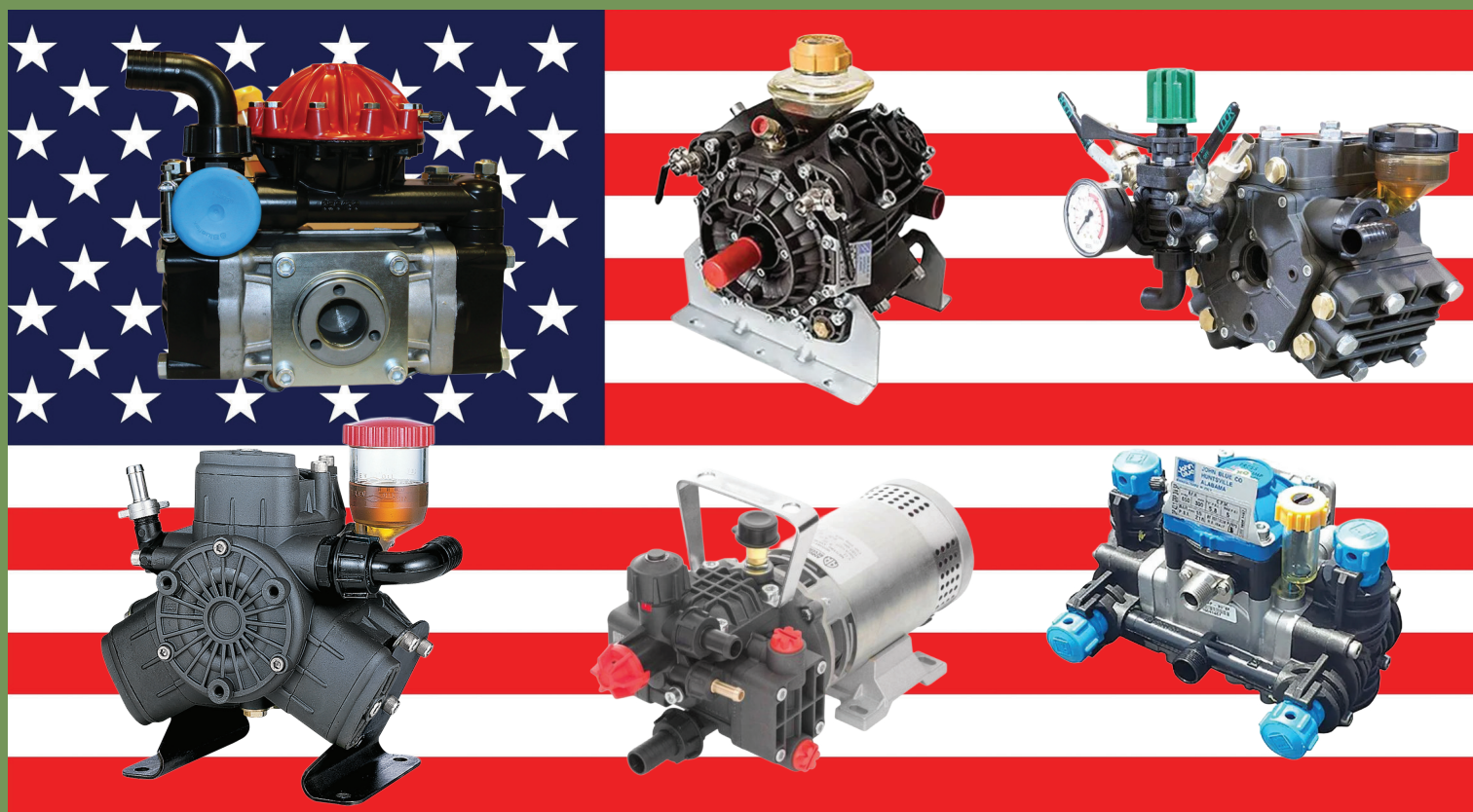


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