

HYPRO® • SHURFLO®

TECHNOLOGY ON TARGET

Don't Let Winter Slow You Down

Your pump can fail or become inoperable when left inactive for long periods of time. Pump failures may be a result of another component failing on your spraying system due to improper winterization. For example, an improperly stored ball valve can fail to open upon startup causing the pump to run dry. Below are four steps for properly winterizing your sprayer to avoid such failures.

Helpful Tips to Prevent Failures During Seasonal Storage:

1. Adequately flush the pump and solution system of all chemical residue. Be sure to remove all strainer screens and clean any residue that has built up on the screens.

Read the label of the chemicals that were used for recommendations on an agent that will best clean and neutralize the sprayer components.

2. To prevent oxidation of components, fill solution system components with antifreeze and spray a small volume through the system (from tank to nozzle). This procedure will prevent elastomer components from 'drying out' and remove residue that continues to attack system components.

Simply draining the pump for winter storage will jeopardize the integrity of its components.

- Cast surfaces have increased levels of corrosion when exposed to atmosphere
- Chemical residue can dry on the mechanical seal causing the seal faces to stick together

- a. Improve the storage life of **centrifugal pumps** with cast iron components by using an antifreeze with a rust inhibitor.

⚠ Automotive antifreeze is toxic. Proper use and disposal is required.

- b. **Roller pumps** benefit by being stored with a light oil. Rotate the shaft to ensure that all internal surfaces are coated with oil. Plug ports after lubricating the pump.
- c. **Diaphragm** and **piston/plunger pumps** should be stored with RV antifreeze in them.
- d. Cycle **ball valves** and **unloaders** on/off to circulate winterizing solution and displace water throughout all components.
- e. Remove **spray nozzles** and **tip screens**. Clean them in detergent water, then dry and store them in a container.

3. Leave regulators, unloaders and valves in a loose or open state so that they do not stick upon startup.

4. Drain the winterizing solution prior to use next spring. Retain the solution in a properly marked container for use again the following fall.

Performing these simple checks early can help you ensure your sprayer will be ready next season.

Contact the Hypro Technical Team at 800-445-8360 or Technical.Services@Pentair.com
To learn more about our spray technology, visit us at www.HyproPumps.com
Check out our [YouTube channel](#) for service and product videos.