

HYPRO® • SHURFLO®

TECHNOLOGY ON TARGET

Pump Winterizing

Preparing your sprayer for storage is critical for a successful startup next year. We broke it down by pump type, and gave you everything you need to know to ensure your pump is ready for the next year. Pentair recommends the following procedures for storing Hypro or Shurflo brand pumps for an extended period of time.

Centrifugal pump systems:

Flush the pump and entire system with a solution that will chemically neutralize the liquid that was used. By doing this, the residue from the chemicals sprayed will dissolve, leaving the inside of the pump clean for the next usage. For winterizing or extended downtime we recommend flushing the pump with automotive antifreeze (ethylene glycol) that contains a rust inhibitor (Prestone®, Zerex®, etc) mixed at 50/50 with water. This will both protect the pump from freezing and from rusting. Plug the inlet and outlet ports of the pump if you are going to store the pump inside or off the sprayer system.

Diaphragm pump systems:

All diaphragm pumps are susceptible to freezing, so extra care is needed to prevent the pump from freeze damage during the off season. Flushing the pump out with a chemical neutralizer prior to storage will help clean the surfaces from any residue that has accumulated. Then flush the pump with a RV antifreeze (propylene glycol) mixed at 50/50 with water. This will protect the pump from freezing. Removing the pump from the sprayer and storing it in a heated area will also prevent costly damage to the pump. This should be done AFTER the pump has been neutralized and flushed out with antifreeze. Plug the inlet and outlet ports if storing inside.

Roller pump systems:

Roller pumps have a tight tolerance inside and chemical buildup will greatly affect the performance and wear factors of the internal components, so flushing with a neutralizer prior to storage is critical. After neutralizing, flush the pump out with an automotive antifreeze (ethylene glycol) that contains a rust inhibitor (Prestone®, Zerex®, etc) mixed at 50/50 with water. This will both protect the pump from freezing and from rusting. Removing the pump from the sprayer and storing it in a heated area will also prevent costly damage to the pump. This should be done AFTER the pump has been neutralized and flushed out with antifreeze. Add an ounce of rust inhibitor or light oil to the inlet of the pump and then turn the pump shaft to allow the inhibitor to coat all the internal surfaces. Plug both the inlet and outlet of the pump so that air will not be able to enter the pump. Reusing the original shipping plugs is the best way to ensure that the pump is air tight during storage.

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
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