



NEALCO® EQUIPMENT, LLC

MAILING ADDRESS:
P.O. Box 279
Shippensburg, PA 17257
Phone: 717-532-2439 • Toll-Free: 866-351-6325 • Fax: 717-530-8158

SHIPPING ADDRESS:
1 Schwenk Drive
Shippensburg, PA 17257-0279

www.nealcoequipment.com

Winterizing your machine is vital in most parts of the country. It is extremely important that no material or water be left in your machine if temperatures approaching freezing, or below, are anticipated. Expensive damage can result to the plumbing, filter canister or even the material pump if the following procedures are not followed:

- (1) Put approximately 50 gallons of water in the tank and agitate it at least 20 revolutions per minute for about 20 minutes to flush the tank clean.* Circulate the water through the plumbing system for two to three minutes and then discharge it through the spray bar and hand wand assembly – flushing them clean. (Repeat once.) **DO NOT USE ANTIFREEZE FOR FINAL FLUSH.** Antifreeze will damage the leather seals if left in the pump.
- (2) Remove cap from surge tank and completely flush with water, and reinstall cap.
- (3) Either pump or drain out remaining water through main valve. Remove plug from tee directly under pump to remove any leftover water in piping.
- (4) Remove the plug from the bottom of the filter canister (if applicable), drain all water and flush clean. Reinstall the plug.
- (5) If you plan to replace the leather seals in pump now is the best time because you will be opening the pump, ensuring water is removed and lubrication is applied evenly. You can skip adding oil in *Step 6* if you replace seals at this time due to the application of lubricant in the replacement process.
- (6) Pour regular engine oil, 3-in-1 oil, or hydraulic oil into the top of the pump, just below the pumphead, until it is 0.25” deep. Open suction and return valves. Run the pump at a slow speed for 10 minutes to allow the oil to work into the lower chamber and coat the leathers thoroughly. Turn the motor off, leave ball valves open and the pump and plumbing is ready to go through the winter. **
- (7) We recommend that you cover the pump head and cylinder in plastic and tape and remove the wand hose so they are not exposed to the weather.
- (8) Pump the water out of the water tank and put two gallons of antifreeze in the water tank. Turn the water pump on and discharge back into the water tank until the antifreeze comes out. Then turn the pump off.

NOTE: Air diaphragm systems should be cleaned out and winterized in a similar process but 50/50 antifreeze may be used. These steps will prevent costly repairs in the spring before you get started.

* Before Step 1 it may be necessary to clean system with clean sealer to remove sand and old sealer. Water will wash out sealer and leave sand behind to act as an abrasive which will cause damage to ball valves and check balls and their seats.

** Step 6 is essential to the longevity of your pump and components. Oil will soften the leather seals to prevent sticking and protect the steel cylinders from corrosion. If replacing pump seals you can use spray lubricant instead.

To order parts call your Nealco Dealer or me at (866) 351- 6325. Thank you

Jason Mixell, Nealco Equipment, LLC.