

ENVIRONMENT ONE GRINDER PUMP UNITS WINTERIZATION PROCEDURES

Questions on any procedure should be directed to F.R. Mahony service dept at 508-765-0051.

OUTDOOR UNIT

If Power Is To Be Left On To the Pump Control Panel

It is recommended that when possible to leave the power on the unit. There is a very small resistance heater in the pump core to keep moisture from becoming a problem.

For small periods of time – 2-3 weeks

- 1.) Flush entire system with clean water. A couple of toilet flushes will do
- 2.) Leave Power on to the unit

For an entire season

- 1.) Flush entire system with clean water. A couple of toilet flushes will do.
- 2.) 10 gallons of **Non-petroleum** food grade antifreeze (such as that obtained from a pool supply store) may be added to the pump chamber to prevent ice damage
- 3.) Leave Power on to the unit

If Power Is To Be Left Off

For small periods of time – 2-3 weeks

- 1.) Flush entire system with clean water. A couple of toilet flushes will do

For an entire season

- 1.) Flush entire system with clean water. A couple of toilet flushes will do.
- 2.) 10 gallons of **Non-petroleum** food grade antifreeze (such as that obtained from a pool supply store) may be added to the pump chamber to prevent ice damage. *Ethylene glycol or petroleum based antifreeze will harm the pump*

INDOOR UNIT

If Power Is To Be Left On To the Pump

It is recommended that when possible to leave the power on the unit. There is a very small resistance heater in the pump core to keep moisture from becoming a problem.

For small periods of time – 2-3 weeks

- 1.) Flush entire system with clean water. A couple of toilet flushes will do
- 2.) Leave Power on to the unit

For an entire season

- 1.) Flush entire system with clean water. A couple of toilet flushes will do.
- 2.) 10 gallons of **Non-petroleum** food grade antifreeze (such as that obtained from a pool supply store) may be added to the pump chamber to prevent ice damage in the event of power failure.
Ethylene glycol or petroleum based antifreeze will harm the pump
- 3.) Leave Power on to the unit

If Power Is To Be Left *Off*

If power is to be left off we recommend pumping down the tank and making sure the discharge line inside the house is blown out of any water that will freeze.

The following is suggested as a guideline. Your local plumber should be aware of the process needed to close a seasonal residence or commercial establishment for the season. Questions on any procedure should be directed to F.R.. Mahony service dept at 508-765-0051.

- 1.) Flush entire system with clean water. The pump will pump 11 gallons per minute under average conditions. An example of pipe capacity will give you an idea of the run time to flush the system. A 150-foot service lateral of 1-1/4 inch pipe will hold 14 gallons of water. The **Model 2010-IDU** will hold 47 gallons below the “on” setting. I would suggest that the volume of water be changed three to four times. The pump should therefore be run for 5-7 minutes.
- 2.) Holding the “**Push To Run**” button can manually pump the chamber down until the chamber is empty. An airline connection should be connected to the discharge line and air pressure can be used to blow the line out. Close the “curb stop” at the property line. Once these steps are complete the discharge line can be left open the pump core removed for storage. (See details below)
- 3.) All water to fixtures should be shut off to prevent leaks into the pump chamber. **Non-petroleum** food grade antifreeze (**RV** antifreeze) may be added to the pump chamber to prevent ice damage. Water Departments use food-grade antifreeze to protect poorly draining hydrants from freezing.
Ethylene glycol or petroleum based antifreeze will harm the pump.
- 4.) Pump shut down after removal from the chamber should include a wash down of debris and then the unit should be drained of trapped water. The core will need to be inverted to drain water from discharge lines. Some water may be trapped above the check valve assembly. The pump core should be brought into a dry location for storage.