



Vacuum Accumulator System



Model 1442

WARNING:

Do NOT operate this unit without reading manual!



General Installation Tips



When using PVC pipe or any static enhancing material for exhaust piping, take care to safeguard against arcing from static electricity. Arcing may ignite oil vapors when present.



When connecting vacuum, be certain and use piping that is at least the size of the inlet connections. Smaller lines will result in reduced pump capacity.



Install the unit on a flat level surface so that it is evenly supported on all feet/wheels. Be sure and leave 12' to 18" access around the pump to allow proper cooling. Allow sufficient access to the oil sight glass for easy oil inspection. Leave access to the exhaust port for easy filter changes.



Please refer to the included pump manual for maintenance requirements and other information specific to the pump.

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Basic Operation & Maintenance

Startup

- Verify there is sufficient oil in the pump via the oil site glass.
- As with any machine, it is best to warm up the pump on this unit before use. In moist working conditions such as flood coolant, it is **STRONGLY RECOMMENDED** the pump be warmed up to operating temperature before use and allowed to **run 20-30 minutes after use** before shutting down. This will help remove any moisture that may have accumulated in the pump mechanism.

Coolant Traps

- This unit is equipped with a 3 stage coolant filter system. This system is designed to keep moisture such as coolant and other foreign matter from entering/damaging the pump. Each filter holds (1) US gallon. See page 4 for information on emptying filters.



It is important to remember that oil life may vary under different operating conditions. Always check and change the oil at scheduled intervals. Refer to the pump manual for more information on oil requirements.



Emptying the Coolant Filters

The coolant trap containers must be emptied when full to keep coolant from entering the system and potentially damaging the pump. This procedure is explained below.

1. Using the supplied wrench, turn the top valve from "FILTER" to "BYPASS". See figure Z.
2. Relieve the vacuum pressure in the chamber by depressing the pressure release button. See figure Y.
3. Once the pressure is released, using the supplied wrench loosen and remove the chamber retaining nut, then remove and empty the chamber. Reverse steps for installation.



Figure Z



Figure Y



Figure X



Allowing all (3) containers to be full simultaneously is NOT recommended. Potential pump damage due to excess moisture could result.



Technical Information

Pump Type: 43 CFM, 28hg Claw Pump
Motor: 2 hp
Power: 190-240v 7 amp / 380-480v 3.7 amp
Noise Level: 50 dBA
Dimensions: 50" Long 30" Wide 50" High

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