

16 Gallon Glycol Feed Unit

Installation, Operation & Maintenance Manual

Unit description:

The glycol feeder tank is used to maintain a minimum pressure within a hydronic heating or cooling system. It should be used to pressurize the system while the system temperature is at its lowest.



Installation Instructions:

Before installation verify there is no dirt and the pump suction filter is installed inside the tank.

1. Install the feeder tank on a level and sturdy surface that provides ample room to service and maintain unit. Ensure there is a system isolation valve to isolate the feeder tank from the rest of the system.
2. Connect the feeder tank to the system using copper or plastic tubing. Take care not to strip the adapter when connecting the feeder tank to the system. **Do not install a pressure regulator or check valve between the glycol feeder tank and the rest of the system.**
3. Make sure the AC/DC power adapter is not plugged into the feeder tank.

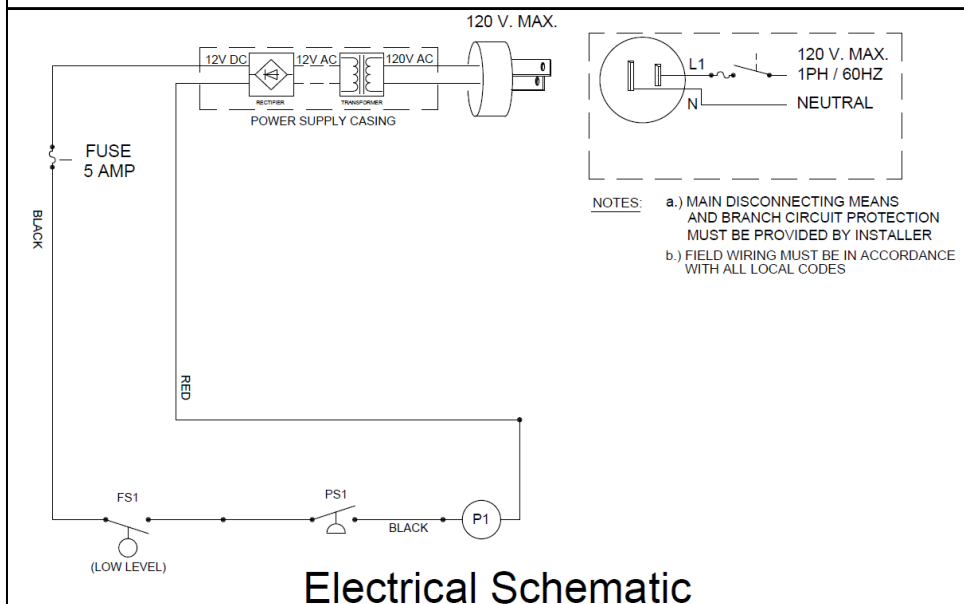
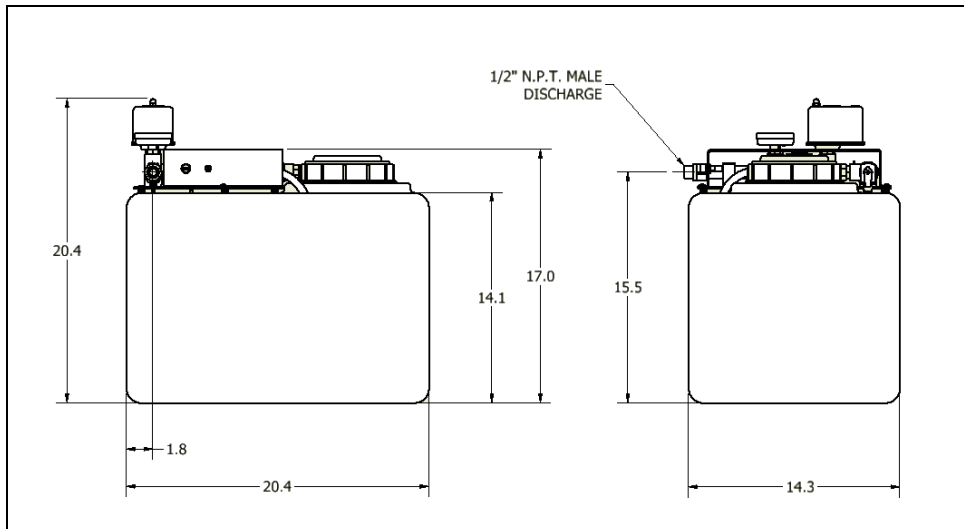
Unit Start Up:

1. Fill the feeder tank with the correct water/glycol mix. A 30-50% Polypropylene Glycol concentration is recommended.
2. Close the system isolation valve and turn the mix/purge valve on the feeder tank to the vertical position.
3. Insert the DC plug into feeder tank first, then plug the power supply into a 120V outlet. The blue LED on the power supply should light up and the pump should turn on. The pump will not run if the glycol level is too low in the tank to prevent introducing air into the system and burning out the pump.
4. Once the pump is primed and glycol is recirculating back into tank, open the system isolation valve and turn the mix/purge valve to the horizontal position. The pump will then pressurize the system and automatically start and shut off when pressure is reached. If the system pressure drops to approximately 12psig, the pump will turn on and turn off at approximately 22psig.

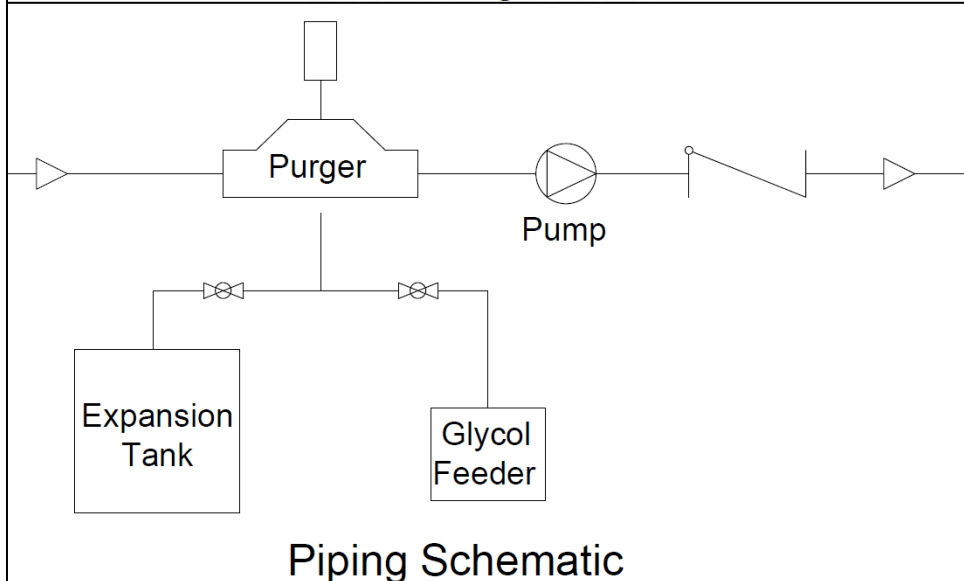
Please note that the pressure gauge supplied with the unit may read differently from another gauge, which may be installed elsewhere in the system. This may be due to gauge calibration or differences in elevation within the system and should not be a concern. Any adjustments to the pressure setting should be done by qualified personal. Do NOT allow pump to run dry.

Unit Service:

The feeder system does not require any scheduled maintenance. Should you wish to test the pump operation, turn the mix/purge valve to the vertical position to start the pump when low pressure is reached. Turning the mix/purge valve to the horizontal position will stop the pump once pressure is reached. Check unit periodically to ensure tank has ample glycol mix to service the system.



Electrical Schematic



Piping Schematic



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