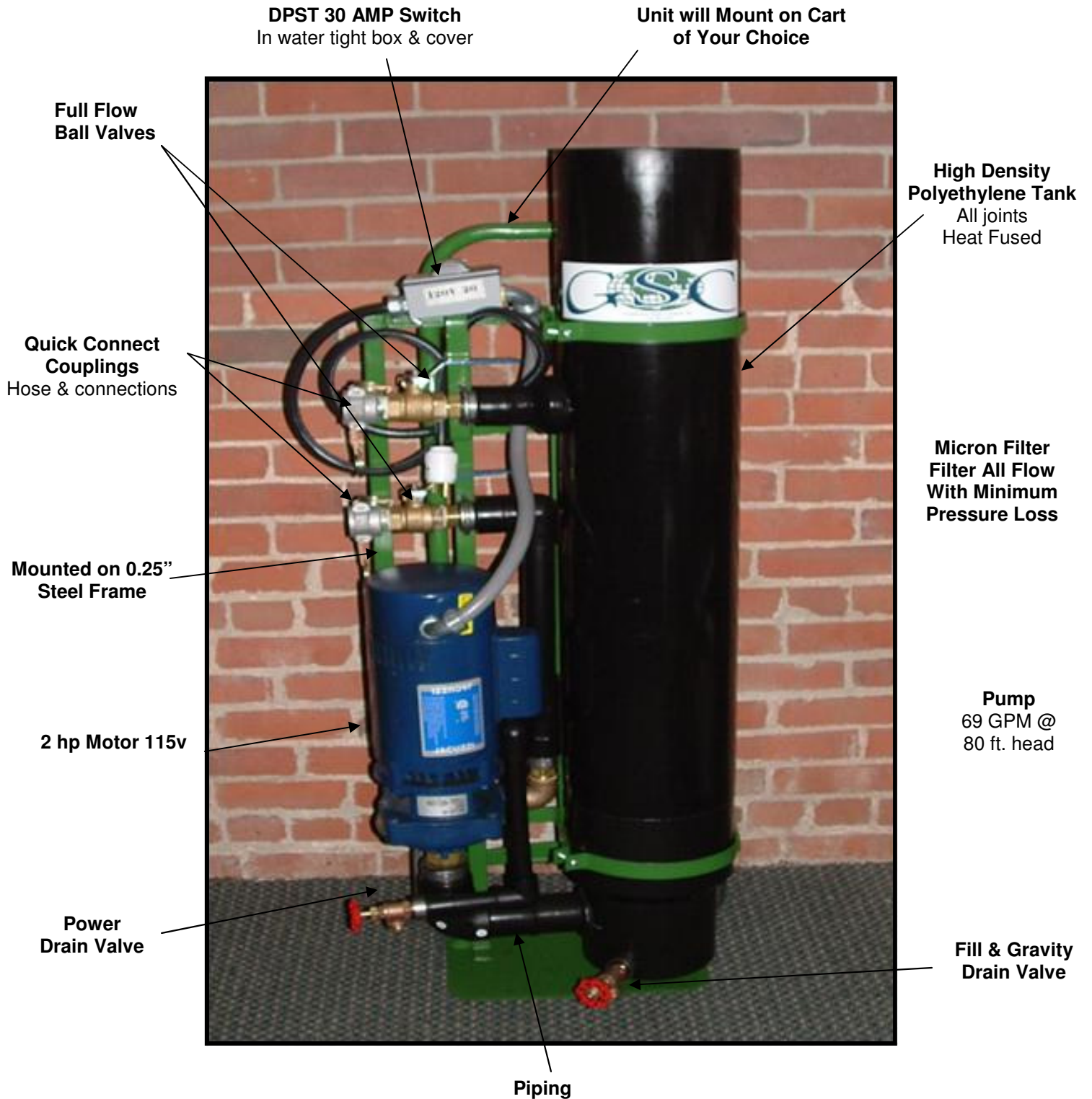


GEOHERMAL PURGING SYSTEM ASSEMBLY AND OPERATIONS MANUAL

PURGE PRO



Safety Considerations

Servicing of closed loop piping systems should be performed by trained & qualified service personnel only. Proper precautions should be taken to minimize the risk of electrical shock during purging. Wear safety glasses and work gloves.

When storing and transporting antifreeze solutions for closed loop piping systems follow all manufacturers recommendations and government regulations for safe handling of the product. Failure to do so could result in personal injury, property damage, or noncompliance with local, state and federal regulations.

Moving and Storage

When receiving the purging system, all items should be carefully checked against the packing list to be sure cartons have been received. Examine unit for possible shipping damage, removing the unit from its packaging if necessary. If any damage is noted, UPS should be notified and a claim should be filed.

Transport the purging system in its normal “vertical” position and secure cart to prevent damage caused by excessive movement. The tank on the purging system must be drained after each use to prevent damage to the rubber seals of the pump. Store the purging system in a location that will not be subject to freezing temperatures.

Electrical Supply

Supply a single 20 amp, 120 volt circuit to the purging system. When using an extension cord to supply power, do not exceed the manufacturers rated capacity of the cord.

Assembly Instructions

1. Identify and separate all parts identified in the parts list prior to beginning assembly.

Note: Does not include 2-wheel utility cart

UNIT ASSEMBLY COMPONENTS

2 - 1/2” Boiler Drain Valves

2 - 1.0” Male (NPT) Adapter

4 - U-Bolts

Hose Assembly

2. Fill & Gravity Drain Valve -

Apply thread compound to one (1) of the 1/2” boiler drain valves. Install the boiler drain on the 1/2” FPT fitting located at the bottom of the tank and carefully tighten the drain valve. For ease of operation, the hose connection should be aimed toward the front of the purging system.

Caution: Do Not Overtighten Valve!

3. Power Drain Valve -

Apply thread compound to the remaining 1/2” boiler drain valve. Install the boiler drain on the discharge line on the supply water assembly. Using slip joint pliers on the metal portion of the polyethylene fitting, carefully tighten the drain valve. For ease of operation, the hose connection should be aimed toward the front of the purging system.

Caution: Do Not Overtighten Valve!

4. Position the bottom of the tank approximately 1.0” away from the back of the cart. Mount the completed assembly to the cart using the four (4) U-bolts supplied with the unit.

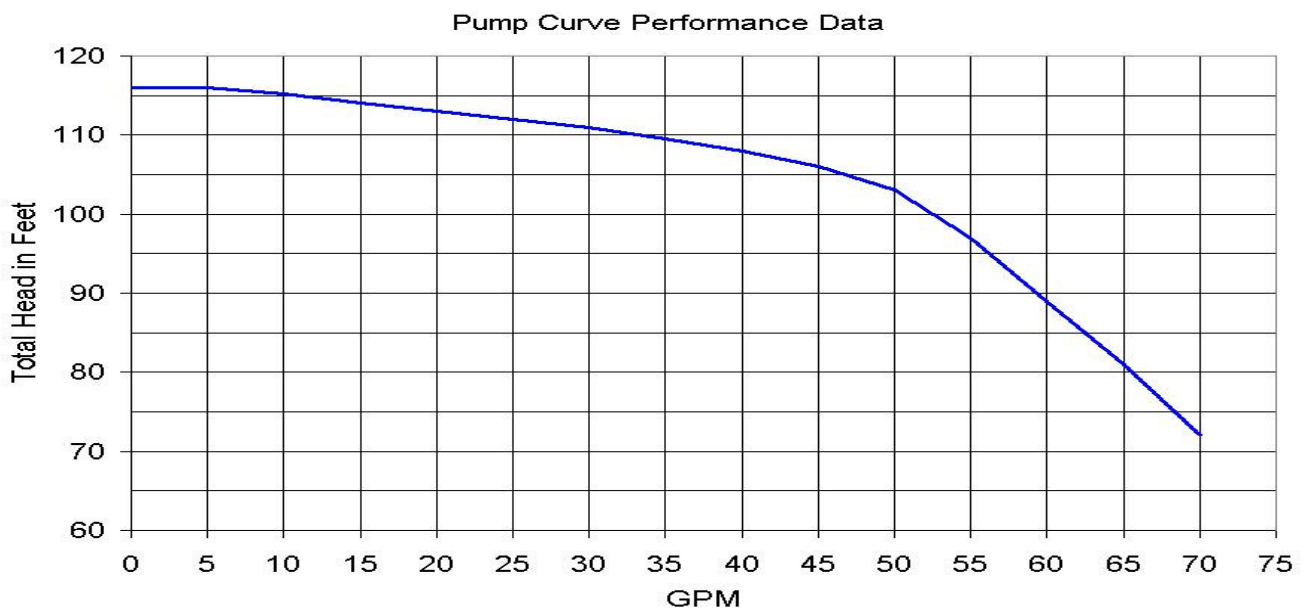
Operating Instructions

1. Apply thread sealant tape or compound to the 1.0" male NPT adapters and install on the fill and flush ports located on the flow center.
2. Connect hoses to adapters on the fill and flush ports of the flow center. Position purging system and connect hoses to supply and return water connections.
3. Fill the tank on the flush cart with water so that the water level is 3.0" - 4.0" above the water and air dispersion device.
4. Connect the power supply of the purging system to a 20 amp 120 volt circuit.
5. Open the valves on the fill and flush ports of the flow center.
6. Open the ball valves on the supply and return water lines of the purging system.
7. Energize the pump.

Caution: Water must be continuously supplied to the purging system tank to prevent the pump from being run dry. Do not overflow purging system tank.

8. Once return water flow from the loop piping has been established, discontinue the addition of supply water to the purging system tank and maintain a water level that is 3.0" - 4.0" above the water and air dispersion device by adding water as necessary.
9. Continue purging the loop piping until air ceases to escape from the purging system.

Note: To check the system for proper purging close the return water ball valve on the flush cart, being careful to observe the water level in the tank. The water level should not drop more than 1"-2". If the water level dropped more than 1"-2", all of the air has not been removed from the system.





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