

Discharge Plumbing Assemblies

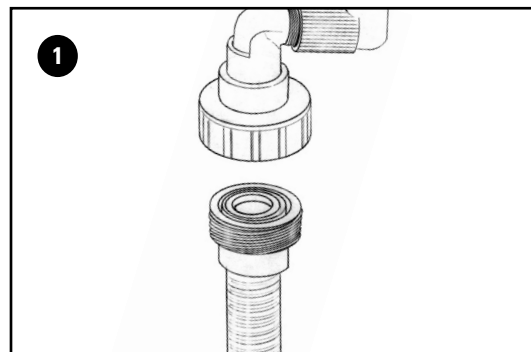
Installation, Operation and Maintenance Instructions *Models HV100__, HV125__, HV150__, HV200__*

Installation Instructions:

The Discharge Plumbing Assembly (a.k.a. "Hose & Valve" Assembly) is the route by which the effluent travels from the effluent pump to the transport pipe. It is composed of rigid PVC pipe, a flexible PVC hose, a union, and a series of threaded elbows. Options include ball valves, check valves, gate valves, external flex hose assemblies, and anti-siphon assemblies.

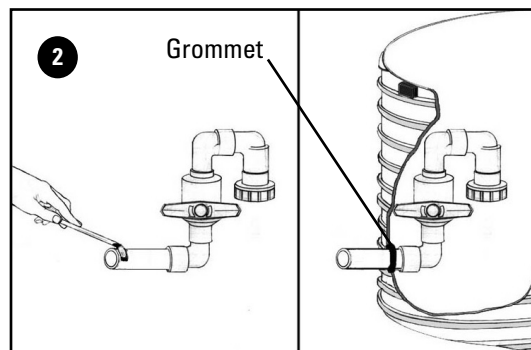
Step 1

Unscrew the union in the discharge plumbing assembly. Set the section including the stem aside.



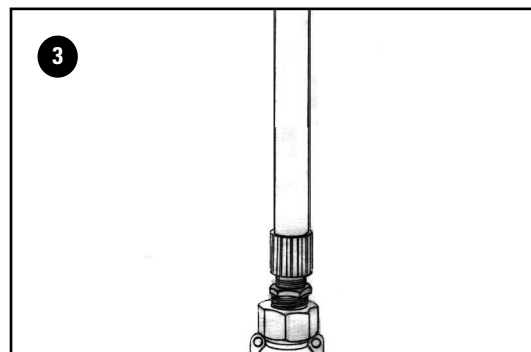
Step 2

Lubricate the pipe grommet in the access riser and the grey Schedule 80 nipple with petroleum jelly or an equivalent product. Push the nipple through the pipe grommet, leaving as much of the nipple on the outside of the riser as possible to minimize obstruction within the riser.



Step 3

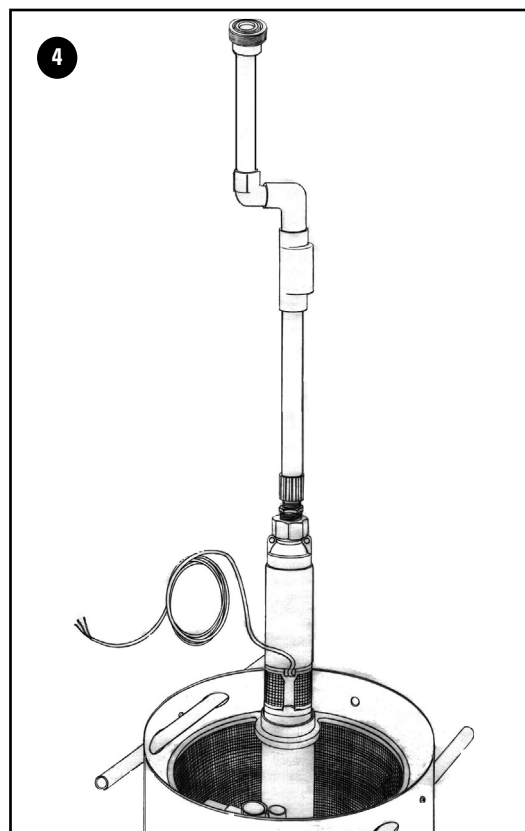
Screw the male adapter at the bottom of the discharge plumbing assembly stem into the pump discharge.



Installation Instructions (continued)

Step 4

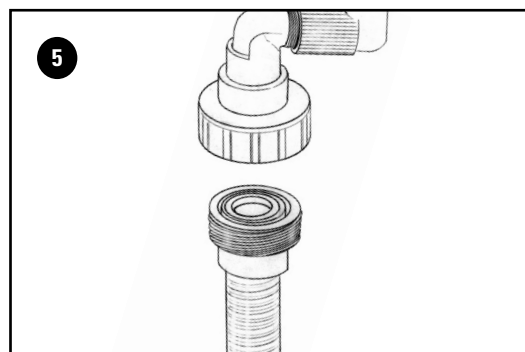
Lower the pump into the screened pump vault. If the pump is a 4" diameter turbine-style pump, make sure to lower the pump into the 4" PVC housing attached to the screen (the flow inducer).



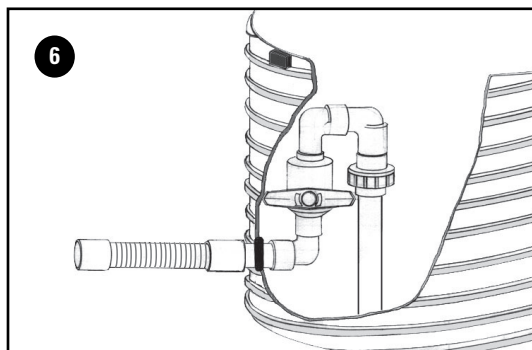
Step 5

Assemble the union.

Exercise the (optional) ball valve or gate valve by rotating the handle back and forth to assure that there is enough operating room for the handle.



Installation Instructions (continued)



Step 6

If an external flex is included, glue its coupling to the end of the nipple protruding from the riser.

Step 7

Glue the transport pipe to the coupling on the end of the flex connection.

Adjusting the Height of the Assembly

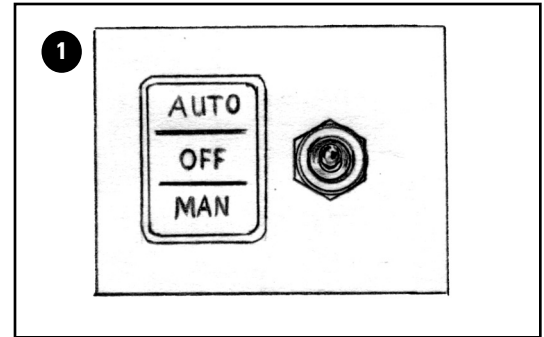
If the stem of the discharge plumbing assembly is too short, it can easily be extended. Simply cut a piece of PVC pipe to length as needed, and glue adapters (one male and one female) on each end. Insert this piece between the pump discharge and the bottom of the discharge plumbing assembly stem.

If the stem of the discharge plumbing assembly is too long, cut length out of the stem and reattach with a slip coupling.

Maintenance Instructions

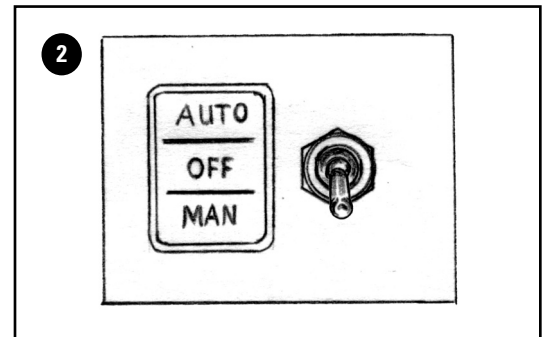
Step 1

During the annual inspection, close the gate or ball valve, then place the toggle switch in the control panel to the "Off" position. Disconnect the union and point the discharge downward.



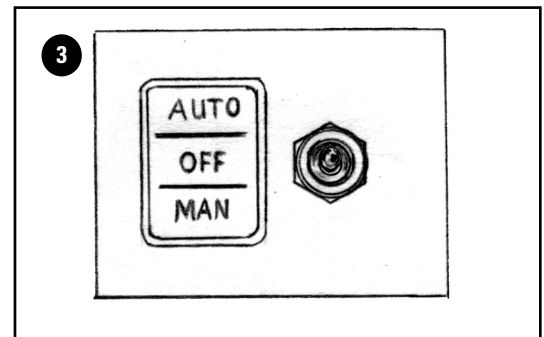
Step 2

At the control panel, flip the toggle switch to the "Manual" position. Confirm that the pump is pumping; the effluent from the pump should be pumping out of the union half back into the screened pump vault.



Step 3

Place the toggle switch back to the "Off" position and reconnect the union.



Step 4

Exercise the ball valve to ensure that no solids are obstructing its path of rotation.

Step 5

Open the valve completely and return the toggle switch to the "Automatic" position.

