

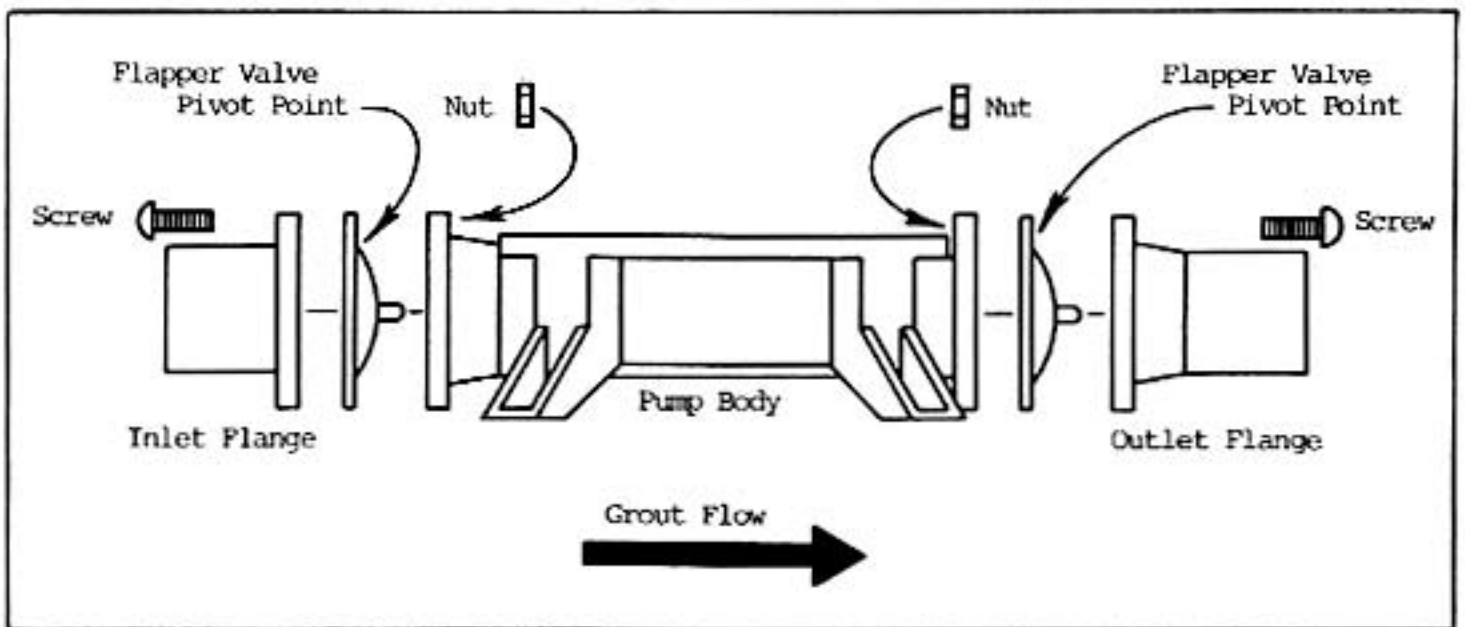
## SERVICE INSTRUCTIONS

### FLAPPER VALVE REPLACEMENT:

- 1) Loosen hose clamp and remove five foot long placement hose from the pump.
- 2) Loosen hose clamp (closest to pump) on the coupling hose that connects the hopper support 90° fitting to the pump.
- 3) Remove the four screws that attach the pump to the base plate, then remove the pump assembly.
- 4) Remove twelve screws (5/8 inch long) and nuts from both the inlet and outlet flanges.
- 5) Remove and discard both flapper valves.
- 6) Install new flapper valves as shown below. Finish assembly in reverse order of disassembly. Tighten flange mounting screws evenly.

NOTE: When installing the flapper valve on the inlet side of the pump, the round protrusion of the valve must face inward towards the center of the pump.

NOTE: When installing the flapper valve on the outlet side of the pump, the round protrusion of the valve must face outward away from the center of the pump.



## SERVICE INSTRUCTIONS

### DIAPHRAGM REPLACEMENT

- 1) Note the position of the clamp ring attaching screws (Item #5), then remove them. GP-1 & GP-2 models use 6 screws, GP-1HD & GP-2HD models use 10 screws. Now lift off the clamp ring/handle/diaphragm assembly.
- 2) Turn the clamp ring upside down and remove the diaphragm retaining screw (item #11), lift off the button assembly (item #10), then remove and discard the diaphragm (item #9).
- 3) Install a new diaphragm onto the clevis (item #8), attach the button assembly (item #10) and install the diaphragm retaining screw (item #11). NOTE: DIAPHRAGM RETAINING SCREW MUST BE TIGHT.
- 4) Place clamp ring assembly onto pump body being careful to align rib on diaphragm in groove in pump body. Install clamp ring attaching screws, attach hex nuts and tighten evenly.

