

# INSTRUCTIONS FOR INSTALLING NAUTILUS NS AND FNS FILTERS WITH SLIDE VALVE AND PINNACLE SERIES PUMP

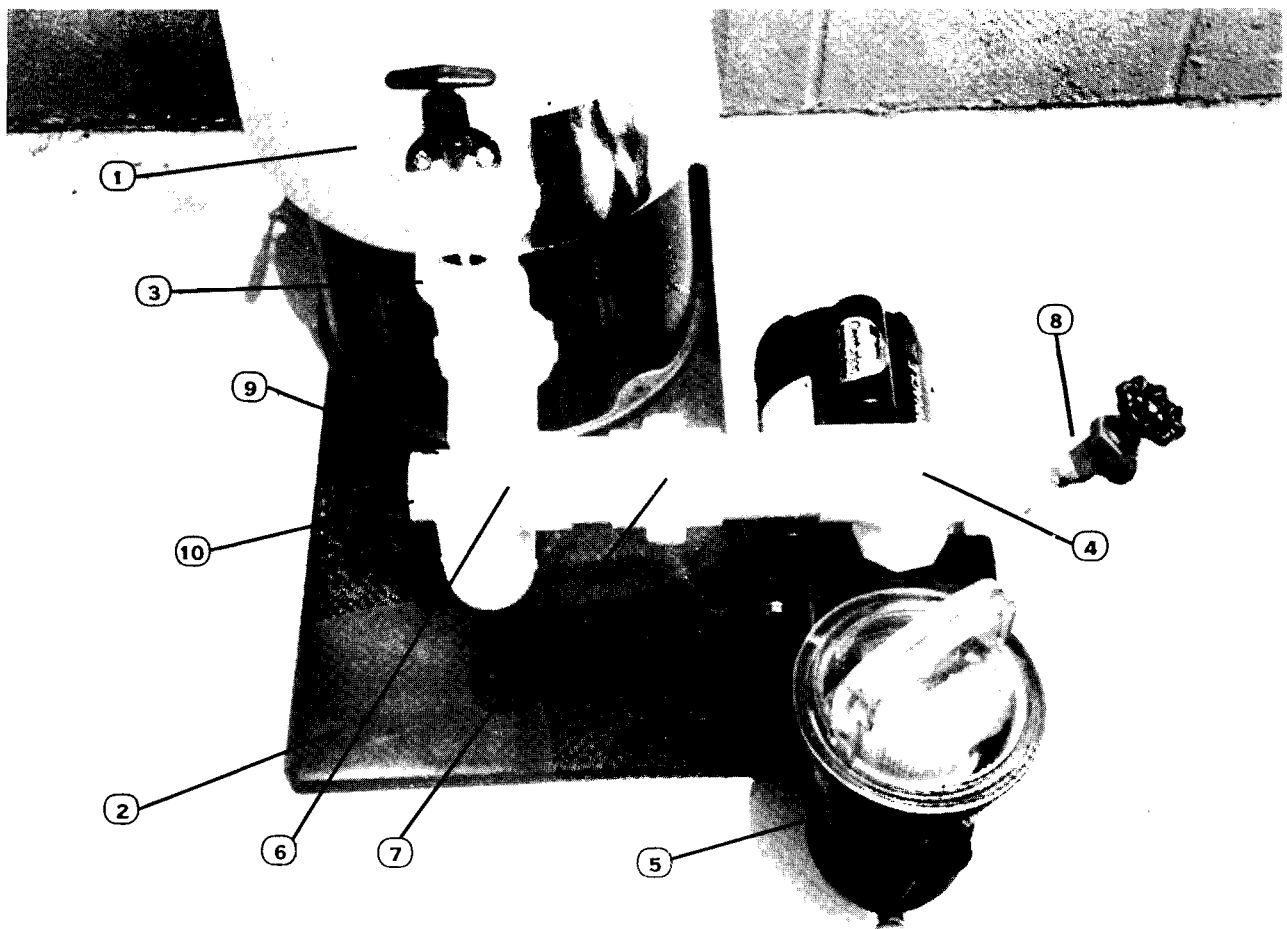


FIGURE 1

**Note:** Always put together this kit without bonding glue joints first to ensure proper fit up before glueing.

1. Place the filter (No. 1) on the skid base (No. 2) and position the filter so the two port holes are facing the same direction as shown in figure 1.
2. Install the slide valve assembly (No. 3) to the filter and tighten the bulkhead nuts.
3. Align the pump (No. 5) with the holes in the skid base and secure in place with 3/8" cap screws and two washers. (**Do not tighten the cap screws completely at this time. Allow pump to move for proper pipe alignments.**)

**NOTE - Some kits do not include mounting base.**

4. Remove pump lid and install the tee assembly (No. 4), using teflon tape or silicone on the threads to ensure no leaks. To install, screw the tee assembly (No. 4) to the discharge port of the pump (No. 5) until you have a snug fit. The tee assembly, (No. 4), should be oriented as shown in Figure 1.
5. Install elbow assembly, (No. 6), into the middle port of the slide valve. Align the elbow assembly (No. 6) in the direction of the tee assembly (No. 4). Be sure to install small O-ring into groove at end of piping.
6. Connect tee assembly, and elbow assembly by tightening bulkhead nut (No. 7).
7. Install the 3/4" hose bid (No. 8) in the 3/4" x 2" reducer bushing, using teflon tape or silicone sealant on threads.
8. Install the reducer bushing with hose bib into the tee assembly piping using PVC glue.
9. Install street ell (No. 9) in waste port on bottom of slide valve positioning elbow in proper orientation to waste line.
10. **OPTIONAL:** Install 2" x 1-1/2" reducer bushing (No. 10) in top port and in bottom elbow of valves.