

ASSEMBLY INSTRUCTIONS FOR SAND FILTER SYSTEMS



1. Attach filter base to filter body by turning body upside down. Align drain on filter with clearance slot on base. Slip washer over bolt and thread bolt into filter body. **DO NOT OVER TIGHTEN.**



2. Turn filter over. Place sand filter guide in filter over stand pipe. **Fill with water before adding sand.** Add required #20 grade silica sand (see sand chart on back page). Remove sand fill guide and save.



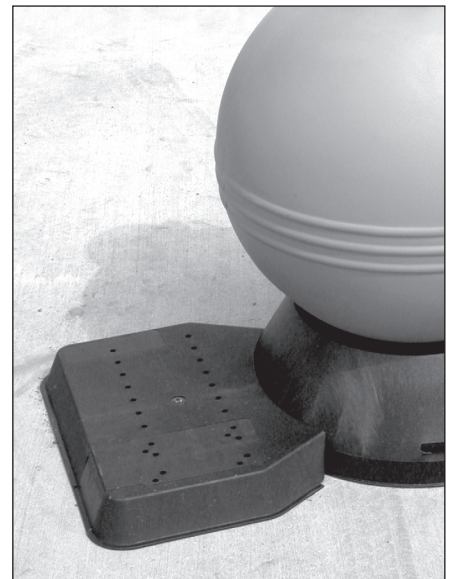
3. Place valve over threads on sand filter. Make sure dual outlets face pool and that top of filter is clear of any debris.



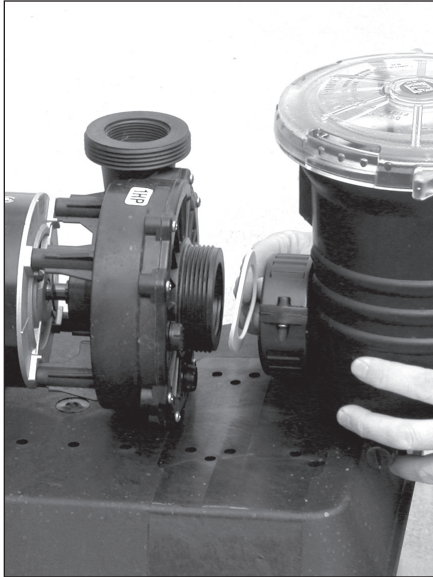
4. Tighten nut using wrench. Use one hand to turn wrench and the other hand to hold wrench in place.



5. Split-nut is fully installed when threads on body are not exposed. Retighten bolt on split-nut after installation to ensure valve is not loose.



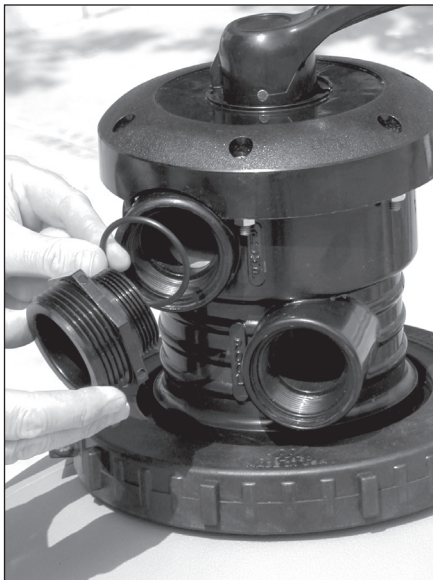
6. Connect pump base to left side of the filter base.



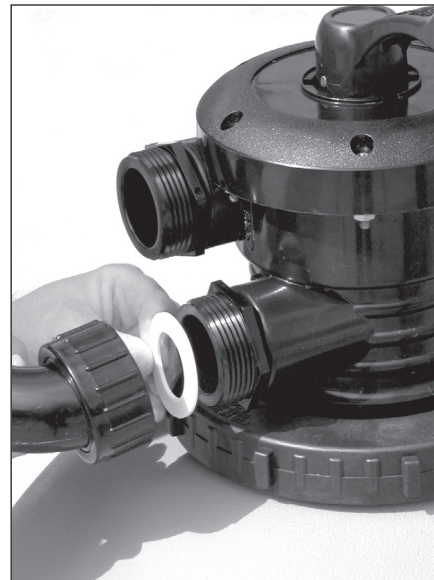
7. Install trap base to pump by removing gasket from inside trap (remove clear trap lid). Place gasket in trap nut. Thread onto pump. **DO NOT OVER TIGHTEN.** Place pump with trap onto pump base. Replace trap lid.



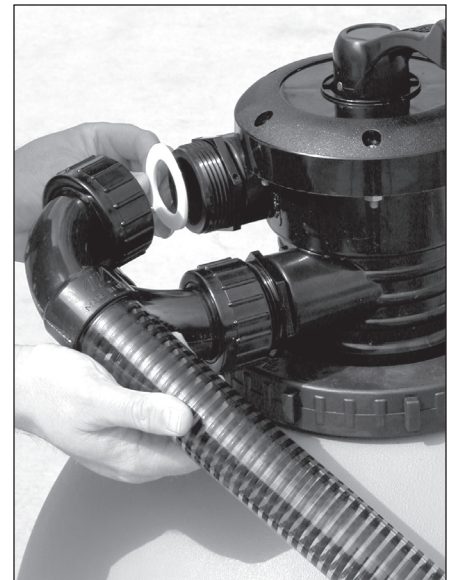
8. Install anchors into slots of pump, and then into the holes in the pump base. Push pins into anchors to secure.



9. Take O-ring and put over small side thread on 1 1/2" buttress x MPT fitting. Thread into pool outlet on valve. Repeat for pump outlet on valve.



10. Put 1 1/2" gasket into return sweep assembly and install onto pool outlet port. **DO NOT OVER TIGHTEN.**



11. Take pump to filter hose assembly and put 1 1/2" gasket into nut on smaller end with sweep 90°. Thread onto pump outlet port. **DO NOT OVER TIGHTEN.**



12. Take a 2" gasket and put into nut on larger end and thread onto pump.
DO NOT OVER TIGHTEN.



13. Put O-ring over thread on 1 1/2" hose adapter and t thread into front of pump.



14. Apply teflon tape to thread of pressure gauge (4 wraps ideal) and thread into valve. Install waste adapter by putting O-ring over threads of clear adapter and threading into waste port.



15. Install 6 ft. corrugated hoses by loosening hose clamps and sliding over hose ends. Install hose onto pump hose fitting by pushing on and tightening clamp. Install other end of hose onto skimmer and tighten clamp.



16. Install hose onto return sweep assembly by loosening hose clamp and sliding over hose end. Install hose onto return sweep by pushing on and tightening clamp. Install other end onto return fitting of pool and tighten clamp.

NOTE: After starting system, if there is leaking at connections including the valve, shut off system and retighten slightly. Then restart the system. Repeat if necessary. If leaking does not stop, it may be necessary to remove fittings or valve to check for missing O-rings and/or gaskets.

**REQUIRED AMOUNT OF
#20 GRADE SILICA SAND**

16" Filter	50 lbs.
19" Filter	100 lbs.
22" Filter	150 lbs.
26" Filter	200 lbs.



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