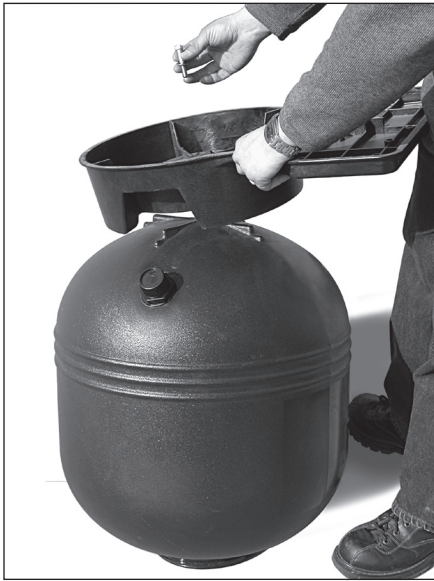


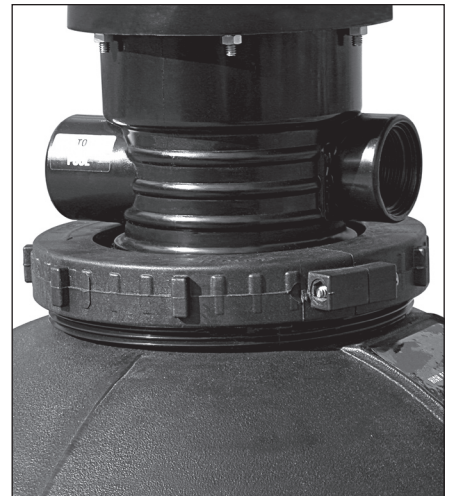
ASSEMBLY INSTRUCTIONS FOR OVAL SAND FILTER SYSTEMS WITH ONE-PIECE BASE



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 next to pool between skimmer and return opening on pool. Place sand filter guide in filter over stand pipe. **Add approximately 3 inches of water before adding sand.** Add required #20 grade silica sand (see sand chart on back page). Remove sand fill guide and save.



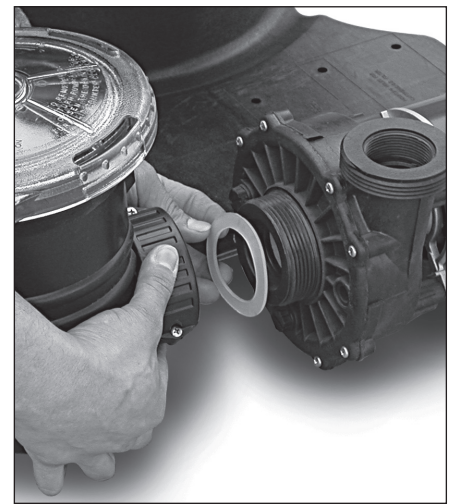
3. Place valve over threads on sand filter. Make sure dual outlets face pool and that top of filter is clear of any debris.



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



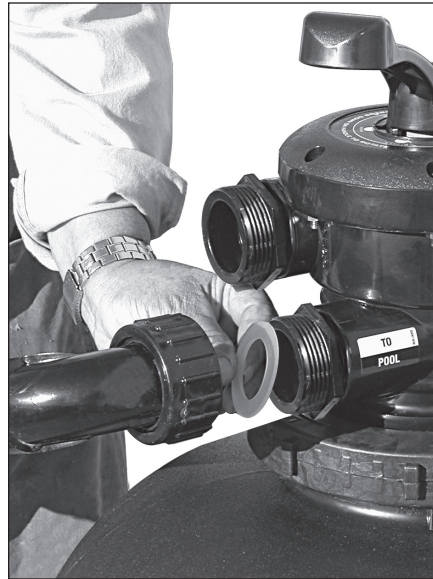
5. Split-nut is fully installed when threads on body are not exposed. Retighten bolt on split-nut after installation to ensure valve is not loose.



6. Install trap base to pump by removing gasket from inside trap. Remove clear trap lid, and place gasket in trap nut. Thread onto pump. **DO NOT OVER TIGHTEN.** Remember to replace trap lid.



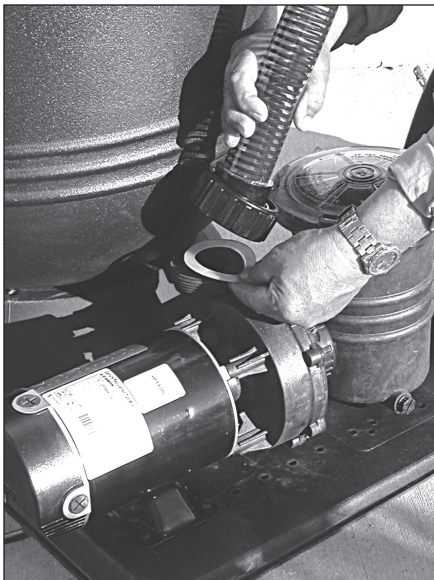
7. Take O-ring and put over small side threads on 1 1/2" buttress x MPT fitting. Thread into pool outlet on valve. Repeat for pump outlet on valve.



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



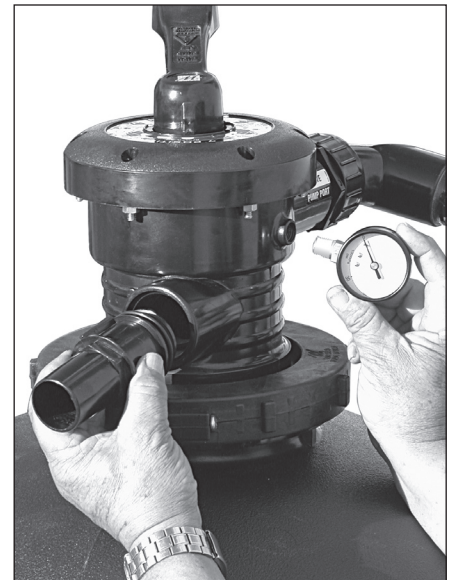
9. Take pump to filter hose assembly and put 1 1/2" gasket into nut on smaller end with sweep 90°. Thread onto pump outlet port. **DO NOT OVER TIGHTEN.**



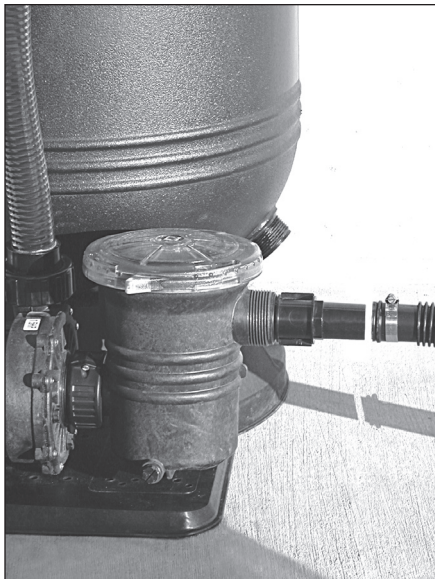
10. Put 2" gasket into nut on hose labeled "TO VALVE PUMP PORT." **DO NOT OVER TIGHTEN.**



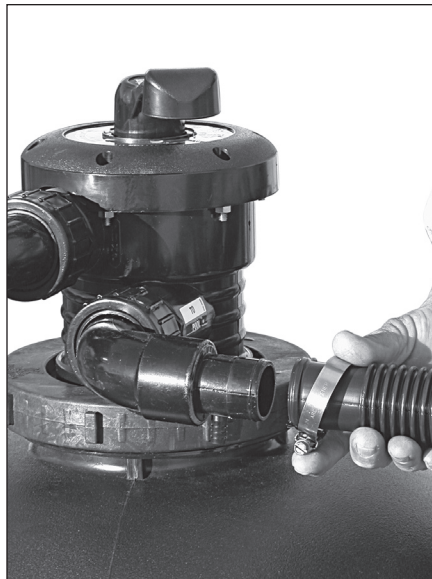
11. Put O-ring over threads on 1 1/2" smooth straight hose adapter and thread into front of pump basket.



12. Apply Teflon tape to pressure gauge threads (4 wraps is ideal) and thread into valve. Install waste adapter by pushing O-ring over threads of adapter and threading into waste port.



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



14. Install hose onto smooth hose adapter in valve by loosening hose clamp and sliding over adapter end. Install other end onto return fitting of pool and tighten clamps.



15. To remove drain screen, remove drain screen cap/wrench and insert the wrench end into drain screen opening and unscrew. When reinserting drain screen **DO NOT OVER TIGHTEN** (be sure O-ring is inside of drain cap). Screw on drain screen cap/wrench. **DO NOT OVER TIGHTEN.**

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. **When reapplying Teflon tape, do not reuse old tape. Remove old tape before adding new tape.**

REQUIRED AMOUNT OF #20 GRADE SILICA SAND

16" Filter	100 lbs.
19" Filter	200 lbs.
22" Filter	250 lbs.
26" Filter	400 lbs.



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