

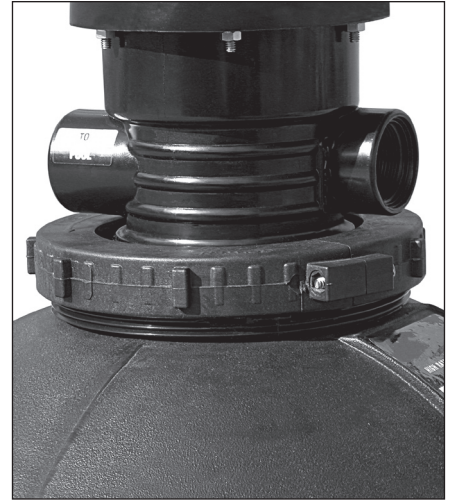
# ASSEMBLY INSTRUCTIONS FOR OVAL SAND FILTERS WITH PUMP



1. Place filter body on top of base next to pool, between skimmer and return on pool. Make sure drain on bottom of body is aligned with opening on the base.



2. 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 filter guide and save.



3. Place multi-port valve over threads on sand filter. Make sure dual outlets face pool and that the top of the 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. Apply Teflon tape to 90° smooth hose adapter threads (4 wraps) and thread into the bottom of the multi-port (to pool).



7. Take O-ring and put over small side threads on 1 1/2" buttress x MPT fitting. Thread onto pump outlet on multi-port valve (top port).



8. Install waste adapter (clear fitting) into waste port. Apply Teflon tape to PSI gauge threads (4 wraps) and thread into multi-port valve.



9. Put 2" gasket into nut (larger end) on hose labeled "TO VALVE PUMP PORT."  
**DO NOT OVER TIGHTEN.**



10. Install other end of pump hose labeled "TO VALVE PUMP PORT" by putting 1 1/2" gasket into nut (smaller end) and threading onto buttress x MPT fitting.  
**DO NOT OVER TIGHTEN.**

**REQUIRED AMOUNT OF  
#20 GRADE SILICA SAND  
(ROUND FILTER)**

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

**REQUIRED AMOUNT OF  
#20 GRADE SILICA SAND  
(OVAL FILTER)**

|            |          |
|------------|----------|
| 16" Filter | 100 lbs. |
| 19" Filter | 150 lbs. |
| 22" Filter | 250 lbs. |
| 26" Filter | 400 lbs. |



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