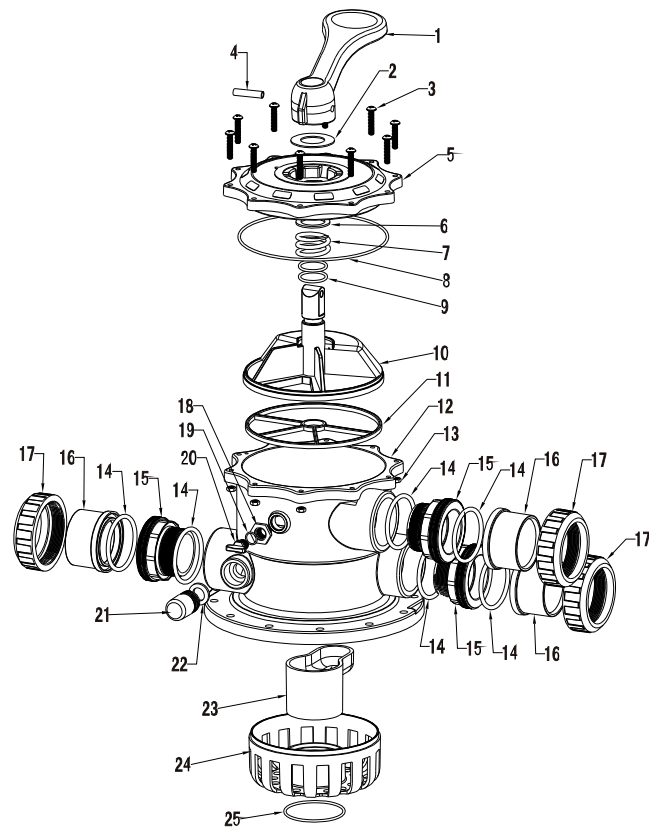
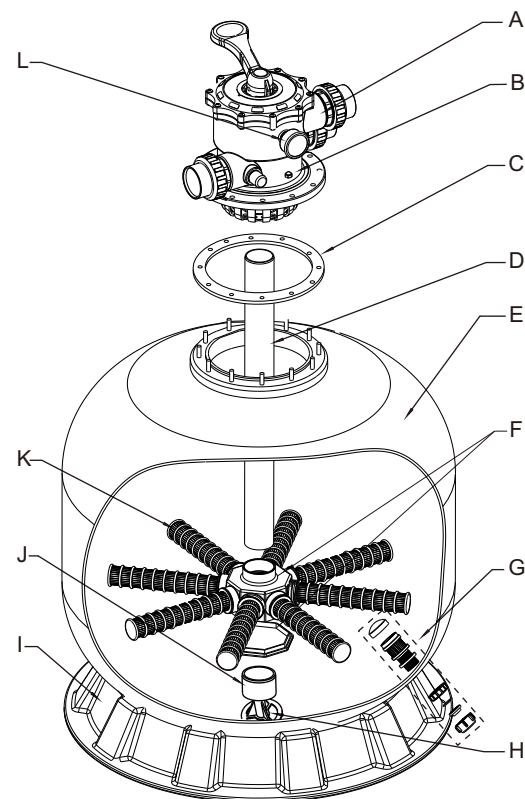


REPLACEMENT PARTS OF FILTER Ø800~Ø1400

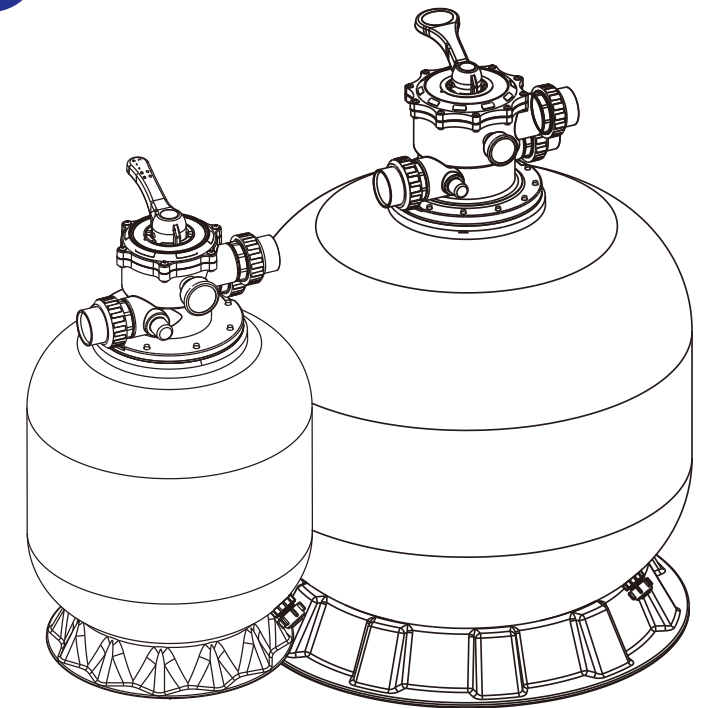


ID	CODE	DESCRIPTION	Qty
1	01-0201	Handle	1
2	01-0102	Washer	1
3	01-0103	Bolt	10
4	01-0104	Pin, handle	1
5	01-0202	Lid assy	1
6	01-0106	Washer	1
7	01-0107	Spring	1
8	01-0203	O-ring, lid	1
9	01-0108	O-ring, rotor	2
10	01-0204	Rotor	1
11	01-0205	Gasket, spider	1
12	01-0206	Body-diffuser assy	1
13	01-0112	Nut, lid	6
14	01-0207	O-ring, bulkhead	6
15	01-0208	Bulkhead fitting	3
16	01-0209	Adaptor, bulkhead	3
17	01-0210	Nut, bulkhead	3
18	01-0117	Nut, plug	1
19	01-0118	Plug O-ring	1
20	01-0119	Plug	1
21	01-0120	Sight glass	1
22	01-0121	Sight glass O-ring	1
23	01-0211	Rotor	1
24	01-0212	Over drain, diffuser	1
25	01-0213	O-ring, filter	1

ID	CODE	DESCRIPTION	QTY
A	01-02	Multiport Valve 2"	1
B	02-0101	Nut lid	12
	02-0102	Shim	12
C	02-0201	Gasket of Flange	1
D	02-02021	Center Pipe Ø800	1
	02-02022	Center Pipe Ø900	1
	02-02023	Center Pipe Ø1000	1
	02-02024	Center Pipe Ø1100	1
	02-02025	Center Pipe Ø1200	1
	02-02026	Center Pipe Ø1400	1
E	02-02041	Filter body Ø800	1
	02-02042	Filter body Ø900	1
	02-02043	Filter body Ø1000	1
	02-02044	Filter body Ø1100	1
	02-02045	Filter body Ø1200	1
	02-02046	Filter body Ø1400	1
F	02-0205	Lateral Assembly	1
G	02-0111	Drain	1
H	02-0112	Positioning pillar	1
I	02-0208	Filter Support Stand Ø800~Ø900	1
	02-0209	Filter Support Stand Ø1000~Ø1100	1
	02-0210	Filter Support Stand Ø1200	1
	02-0211	Filter Support Stand Ø1400	1
J	02-0207	Support pipe	1
K	02-0206	Lateral Ø800~Ø900	1
	02-0212	Lateral Ø1000~Ø14000	1
L	01-0126	O-ring	1
	01-0127	Pressure Gauge	1



TOP MOUNT SAND FILTERS OWNER'S MANUAL



FUNCTION

The filter uses special filter sand to remove dirt particles from pool water. The filter sand is loaded into the filter tank and functions as the permanent dirt removing media. When the control valve is in the FILTER position, the pool water which contains suspended dirt particles, is pumped through your piping system and is automatically directed by the patented filter control valve to the top of the filter tank. As the pool water is pumped through the filter, dirt particles are trapped by the sand bed, and filtered out. The cleaned Pool water is returned from the bottom of the filter tank, through the control valve and back to the pool through the piping system. This entire sequence is continuous and automatic and provides for total recirculation of pool water through your filter and piping System.

After a period of time the accumulated dirt in the filter causes a resistance to flow, and the flow diminishes. This means it is time to clean your filter. With the control valve in the BACKWASH position, the water flow is automatically reversed through the filter so that it is directed to the bottom of the tank, up through the sand, flushing the previously trapped dirt and debris out the waste line. Once the filter is backwashed of dirt, set control valve to RINSE position and run pump for about 1/2 to 1 minute, and then to filter, to resume normal filtering.

NOTE: Turn pump off before changing valve position.

INSTALLATION

Only simple tools (screwdriver and wrenches), plus pipe sealant for plastic adapters, are required to install and service the filter.

- The filter should be placed on a level concrete slab, very firm ground, or equivalent. Position the filter so that the piping connections, control valve are convenient and accessible for operation and service.
- Loading the sand media. Filter sand media is loaded through the top opening of the filter.
 - Loosen flange clamp and remove filter control valve (if previously installed).
 - Cap internal pipe with plastic cap to prevent sand from entering it.
- We recommend filling tank approximately 1/2 way with water to provide a cushion effect when the filter sand is poured in. This helps protect the under-drain laterals from excessive shock.
 - Carefully pour in correct amount and grade of filter sand. (Be sure center pipe remains centered in opening.) Sand surface should be leveled and should come to about the middle of the filter tank. Remove plastic cap from internal pipe.

- Assemble filter control valve to filter tank.
 - Insert filter control valve (with O-ring in place) into the tank neck, taking care that the center pipe slips into the hole in the bottom of the valve.
 - Place two plastic clamps around valve flange and tank flange and tighten just enough so that the valve may be rotated on tank for final positioning.
 - Carefully screw pressure gauge (with O-ring in place) into tapped hole in valve body. Do not over-tighten.
 - Connect pump to control valve opening marked PUMP. After connections are made, tighten valve flange clamps with screwdriver, tapping around clamp with screwdriver handle to help seat valve flange clamp.
- Make return to pool pipe connection to control valve opening marked RETURN and complete other necessary plumbing connections, suction lines to pump, waste, etc.
- Make electrical connections to pump per pump instructions.
- To prevent water leakage, be sure all pipe connections are tight.

INSTALL / START-UP OF FILTER

1. Be sure correct amount of filter media sand is in tank and that all connections have been made and are secure.
2. Depress control valve handle and rotate to BACKWASH position. (To prevent damage to control valve seal, always depress handle before turning.)
3. Prime and start pump according to pump instructions (be sure all suction and return lines are open), allowing the filter tank to fill with water. Once water is flowing out of the waste line, run the pump for at least 1 minute. The initial backwashing of the filter is recommended to remove any impurities or fine sand particles in the sand media.
4. Turn pump off and set valve to RINSE position. Start pump and operate until water in sight glass is clear, about 1/2 to 1 minute. Turn pump off and set valve to FILTER position and restart pump. The filter is now operating in the normal filter mode, filtering dirt particles from the pool water.

5. Adjust pool suction and return valves to achieve desired flow. Check system and filter for water leaks and tighten connections, bolts, nuts, as required.
6. Note the initial pressure gauge reading when the filter is clean. (It will vary from pool to pool depending upon the pump and general piping system.) As the filter removes dirt and impurities from the pool water, the accumulation in the filter will cause the pressure to rise and flow to diminish. When the pressure gauge reading is 1.5 bar, higher than the initial "clean" pressure you noted, it is time to backwash the filter (see BACKWASH under filter and control valve functions).

NOTE: During initial clean-up of the pool water it may be necessary to backwash frequently due to the unusually heavy initial dirt load in the water.

TECHNICAL APPENDIX

1. INSTALLATION INSTRUCTIONS

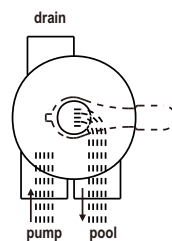
The installation of the valve is carried out by screwing or slipping in, of the available connections according to the installation scheme.

Note:

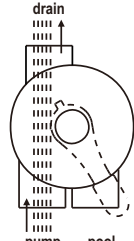
It is recommended to use adapter unions. Maintenance works and replacement are also easier by using adapter unions.

2. FUNCTION AND INSTALLATION SCHEME

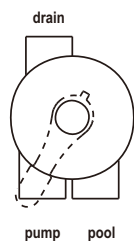
I. FILTER



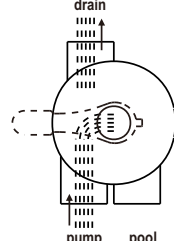
II. WASTE



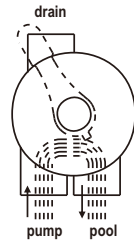
III. CLOSED



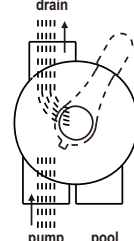
IV. BACKWASH



V. RECIRCULATE



VI. RINSE



I. Filtration of medium (i.e. water)

Pool → pump → valve (to filter) → filter → valve (from filter) → pool

II. Drainage of pool with pump

Pool → pump → valve → canal

III. No circulation

Do not operate pump.
Pool → pump → valve

IV. Cleaning of filter medium (i.e. sand) in upstream (reserved flow in filter)

Pool → pump → valve (from filter) → filter → valve (to filter) → waste

V. Recirculation of fluid without filter (by pass filter)

Pool → pump → valve → pool

VI. Cleaning of filter medium (i.e. sand) after backwash

Pool → pump → valve (to filter) → filter → valve (from filter) → waste

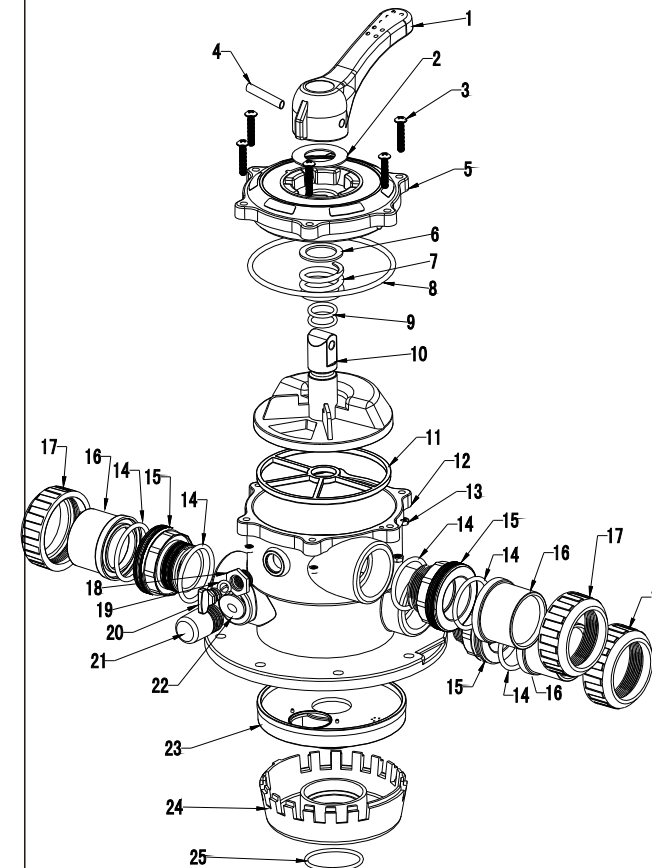
WARNING

⚠ This filter operates under high pressure. When any part of the circulating system (e.g., clamp, pump, filter, valves, etc.) is serviced, air can enter the system and become pressurized. Pressurized air can cause the lid or valve to be blown off which can result in severe injury, death, or property damage. Do not unscrew screws of flange clamp while filter operating.

⚠ Turn pump off before changing valve position.

⚠ To prevent damage to the pump and for proper operation of the system, clean pump strainer and skimmer baskets regularly.

REPLACEMENT PARTS OF FILTER Ø400~ Ø700



ID	CODE	DESCRIPTION	Qty
1	01-0101	Handle	1
2	01-0102	Washer	1
3	01-0103	Bolt	6
4	01-0104	Pin, handle	1
5	01-0105	Lid assy	1
6	01-0106	Washer	1
7	01-0107	Spring	1
8	01-0125	O-ring, lid	1
9	01-0108	O-ring, rotor	2
10	01-0109	Rotor	1
11	01-0110	Gasket, spider	1
12	01-0111	Body-diffuser assy	1
13	01-0112	Nut, lid	6
14	01-0113	O-ring, bulkhead	6
15	01-0114	Bulkhead fitting	3
16	01-0115	Adaptor, bulkhead	3
17	01-0116	Nut, bulkhead	3
18	01-0117	Nut, plug	1
19	01-0118	Plug O-ring	1
20	01-0119	Plug	1
21	01-0120	Sight glass	1
22	01-0121	Sight glass O-ring	1
23	01-0122	Rotor	1
24	01-0123	Over drain, diffuser	1
25	01-0124	O-ring, filter	1

ID	CODE	DESCRIPTION	QTY
A	01-01	Multiport Valve 1.5"	1
B	02-0101	Nut lid	8
	02-0102	Shim	8
C	02-0103	Gasket of Flange	1
D	02-01041	Center Pipe Ø400	1
	02-01042	Center Pipe Ø450	1
	02-01043	Center Pipe Ø500	1
	02-01044	Center Pipe Ø650	1
	02-01045	Center Pipe Ø700	1
E	02-01061	Filter body Ø400	1
	02-01062	Filter body Ø450	1
	02-01063	Filter body Ø500	1
	02-01064	Filter body Ø650	1
	02-01065	Filter body Ø700	1
F	02-0107	Lateral Assembly	1
G	02-0111	Drain	1
H	02-0112	Positioning pillar	1
I	02-0113	Filter Support Stand Ø400~Ø500	1
	02-0110	Filter Support Stand Ø650~Ø700	1
J	02-0109	Support pipe	1
K	02-0108	Lateral	1
L	01-0126	O-ring	1
	01-0127	Pressure Gauge	1

