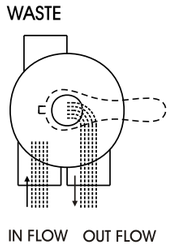
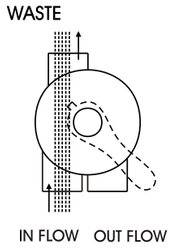
FUNCTIONS OF VALVE POSITIONS

Valve Position	Function
FILTER	Normal Filtration and Vacuuming
BACKWASH	Cleaning Filter by reversing the flow
RINSE	Used after backwash to flush dirt from valve
WASTE	By-passes filter, used for vacuuming to waste or lowering water level
RECIRCULATE	By-passes filter for circulating water to pool
CLOSED	Shuts off all flow to filter or pool

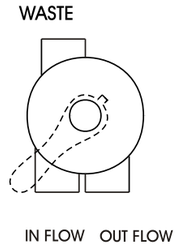
FILTER



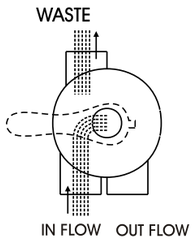
WASTE



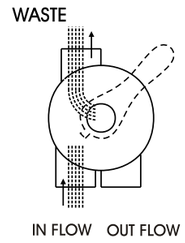
CLOSED



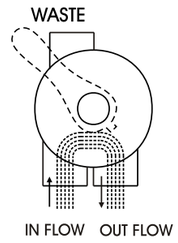
BACKWASH



RINSE



RECIRCULATE



GENERAL

1. Pipe tap boss provided for optional influent pressure gauge.
2. SERVICING VALVE(Stop pump,close gate valve in suction&discharge before proceeding):
   a. Set handle in filter position. b. Remove cover screws. c. Lift cover and key assembly out.

TO ASSEMBLE:

1. Place valve key so that wedge opening is at TOP port (handle in Filter psn.). Flat edge of cover screw lug should align with flat edge of body screw lug.
2. Position cover O'Ring.
3. Secure assembly to body with cover screws. Tighten cover screws evenly and alternately. Do not over-tighten.

WARNING

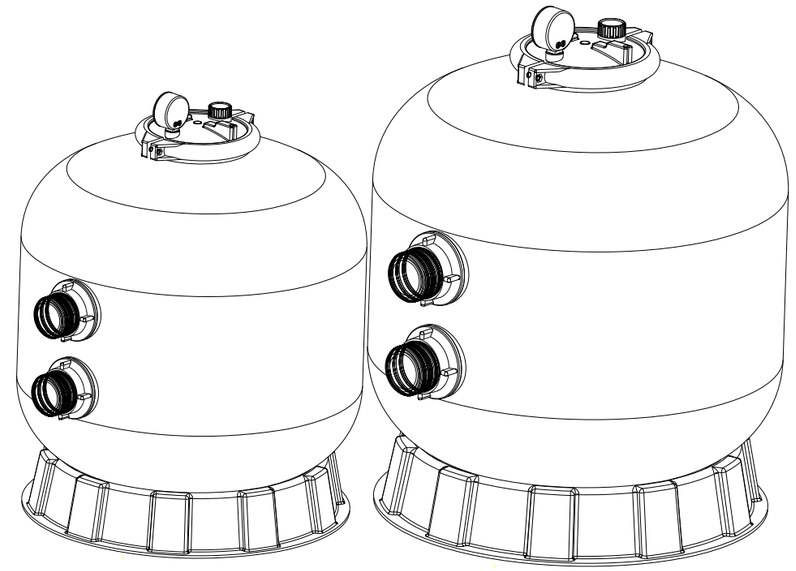
⚠ THIS FILTER OPERATES UNDER HIGH PRESSURE. WHEN ANY PART OF THE CIRCULATING SYSTEM (e.g., CLAMP, PUMP, FILTER, VALVES, ETC.) IS SERVICED, AIR CAN ENTER THE SYSTEM AND BECOME PRESSURIZED . PRESSURIZED AIR CAN CAUSE THE LID OR VALVE TO BE BLOWN OFF WHICH CAN RESULT IN SEVERE INJURY, DEATH, OR PROPERTY DAMAGE

⚠ 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.

⚠ DO NOT UNSCREW SCREWS OF FLANGE CLAMP WHILE PUMP IS RUNNING.

Models:S450,S500,S650,S700



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 back-washed 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.

1. 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.
2. Loading the sand media. Filter sand media is loaded through the top opening of the filter.
   a. Place tow O'ring on the side of the filter tank and Connect control valve to the filter using pipes with unions and glues.(see the fig on page4).
   b. Loosen the filter coping and remove it .
   c. We recommend filling tank approximately 1/3 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.
   d. Carefully pour in correct amount and grade of filter sand. Sand surface should be leveled and should come to about the middle of the filter tank.

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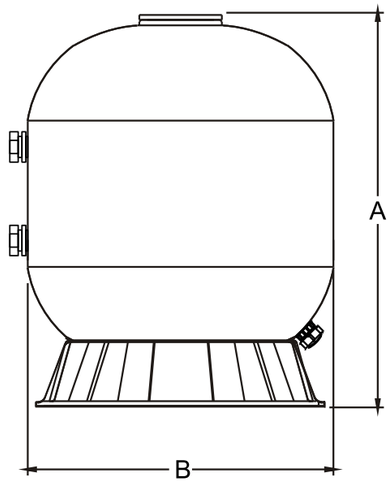
3. Replace filter coping (with O'ring in place).
   a. Carefully screw pressure gauge (with O'ring in place) into tapped hole in the filter coping. Do not over-tighten.
   b. Ensure air relief valve (with O'ring in place) is tight fit to filter coping and turn it easily.
4. Connect pump to control valve opening marked PUMP.
5. Make return to pool pipe connection to control valve opening marked RETURN and complete other necessary plumbing connections, suction lines to pump, waste, etc.
6. Make electrical connections to pump per pump instructions.
7. To prevent water leakage, be sure all pipe connections are tight.

MAIN DIMENSION

DIMENSION TABLE

Model	High mm A	Diameter mm B	Design Flow (m^3/h)	Filter Area. (m^2)
S450	730	455	7.98	0.16
S500	770	535	11.52	0.22
S650	850	635	16.20	0.32
S700	960	710	19.20	0.40

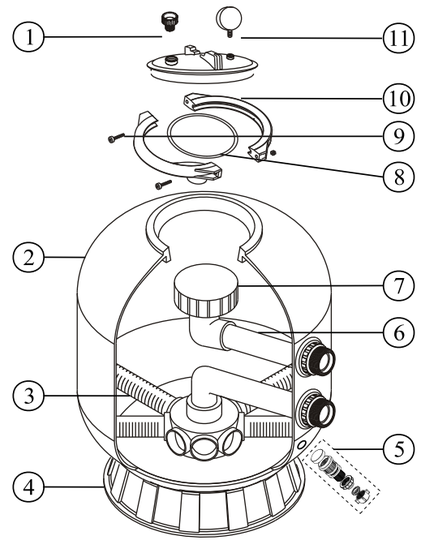


INSTALL/START-UP OF FILTER

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 back-washing 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.

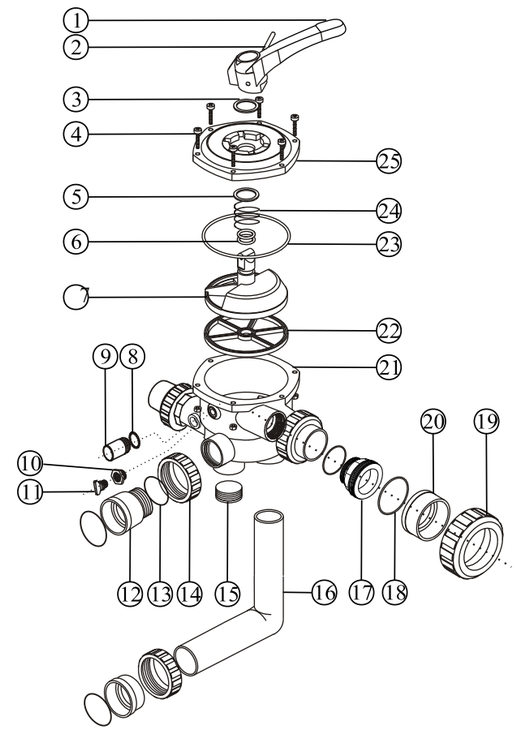
REPLACEMENT PARTS OF FILTER



Item	Part No.	Description
1	090130	Ari bleeder
2	01010516	S450
	01010517	S500
	01010518	S650
	01010519	S700
		Filter tank
3	010113	S450-S500
	010118	S650-S700
		Lateral
4	020322	S450
	020323	S500-S700
		Filter base
5	010106	Drain
6	0203241	S450
	0203242	S500
	0203243	S650
	0203244	S700
		Pipe assy
7	0103102	Diffuer
	0103101	
8	010104	O`ring,lid
9	020108	Screw with nut
	020107	
10	010107	Flange clamp
11	020131	Pressure gauge with o'ring

REPLACEMENT PARTS OF MULTIPORT VALVE

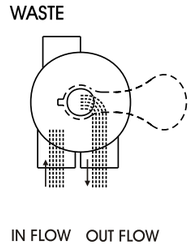
Item	Part No	Description
1	MPV-01-020	Handle
2	MPV-01W-1	Pin,handle
3	MPV-01-006	Washer
4	MPV-01W-02-1 MPV-01W-02-2	Bolt with nut,lid
5	MPV-01-007	Washer
6	MPV-01W-05	O`ring,rotor
7	MPV-01-005	Rotor
8	MPV-03W-01	O`ring,sight glass
9	MPV-04-010	Sight glass
10	MPV-01-014	Nut,plug
11	CP-01W-05 MPV-01-013	Plug with o'ing
12	MPV-03-002	Union head
13	MPV-01W-06	O`ring,union head
14	FT-03-013	Nut,bulkhead
15	MPV-03-005	Plug,valve
16	MPV-03-010	Elbow with pipe
17	MPV-03-004	Bulkhead fitting
18	MPV-01W-7	O`ring,bulkhead
19	MPV-01-009	Nut,bulkhead
20	MPV-02-010	Adaptor,bulkhead
21	MPV-03-001	Body-diffuser assy
22	MPV-01-015	Gasket,spider
23	MPV-01W-03	O`ring,lid
24	MPV-01W-04	Spring
25	MPV-01-004	Lid assy



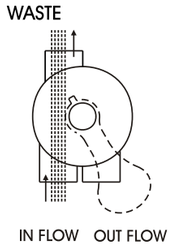
FUNCTIONS OF VALVE POSITIONS

Valve Position	Function
FILTER	Normal Filtration and Vacuuming
BACKWASH	Cleaning Filter by reversing the flow
RINSE	Used after backwash to flush dirt from valve
WASTE	By-passes filter, used for vacuuming to waste or lowering water level
RECIRCULATE	By-passes filter for circulating water to pool
CLOSED	Shuts off all flow to filter or pool

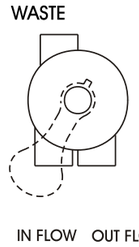
FILTER



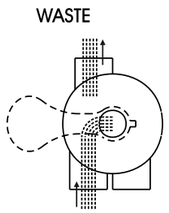
WASTE



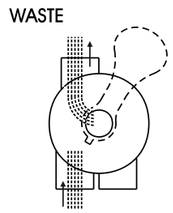
CLOSED



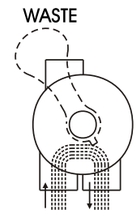
BACKWASH



RINSE



RECIRCULATE



GENERAL

1. Pipe tap boss provided for optional influent pressure gauge.
2. SERVICING VALVE(Stop pump,close gate valve in suction&discharge before proceeding):
   a. Set handle in filter position. b. Remove cover screws. c. Lift cover and key assembly out.

TO ASSEMBLE:

1. Place valve key so that wedge opening is at TOP port (handle in Filter psn.). Flat edge of cover screw lug should align with flat edge of body screw lug.
2. Position cover O'Ring.
3. Secure assembly to body with cover screws. Tighten cover screws evenly and alternately. Do not over-tighten.

WARNING

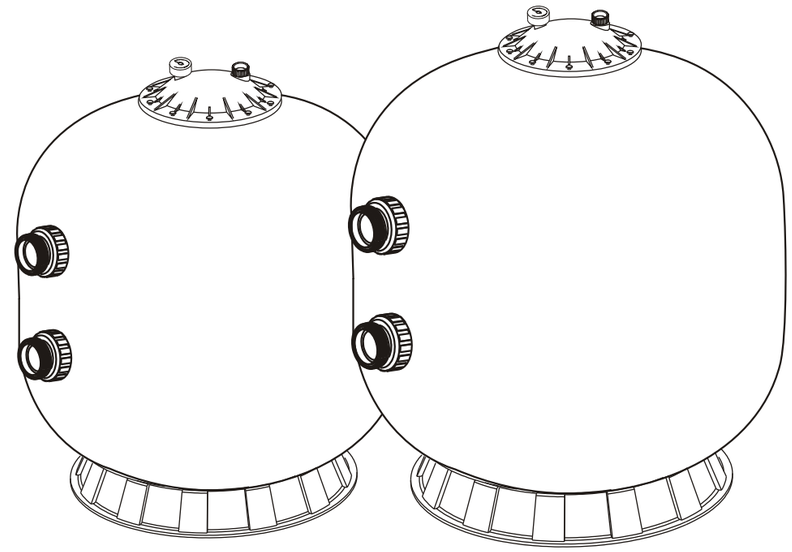
⚠ THIS FILTER OPERATES UNDER HIGH PRESSURE. WHEN ANY PART OF THE CIRCULATING SYSTEM (e.g., CLAMP, PUMP, FILTER, VALVES, ETC.) IS SERVICED, AIR CAN ENTER THE SYSTEM AND BECOME PRESSURIZED . PRESSURIZED AIR CAN CAUSE THE LID OR VALVE TO BE BLOWN OFF WHICH CAN RESULT IN SEVERE INJURY, DEATH, OR PROPERTY DAMAGE

⚠ 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.

⚠ DO NOT UNSCREW SCREWS OF FLANGE CLAMP WHILE PUMP IS RUNNING.

Models: S700, S800,S900



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 back-washed 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.

1. 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.
2. Loading the sand media. Filter sand media is loaded through the top opening of the filter.
   a. Connect control valve to the filter using pipes with unions and glues.(see the fig on page4).
   b. Loosen the twelve nuts and washers and remove the filter coping.
   c. We recommend filling tank approximately 1/3 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.
   d. Carefully pour in correct amount and grade of filter sand. Sand surface should be leveled and should come to about the middle of the filter tank.

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3. Replace filter coping. Put the twelve nuts and washers onto each of the twelve bolts, then screw all the nuts on with wrench,ensuring that all nuts are tight.

a. Carefully screw pressure gauge (with O'ring in place) into tapped hole in the filter coping. Do not over-tighten.

b. Ensure air relief valve (with O'ring in place) is tight fit to filter coping and turn it easily.

4. Connect pump to control valve opening marked PUMP.

5. Make return to pool pipe connection to control valve opening marked RETURN and complete other necessary plumbing connections, suction lines to pump, waste, etc.

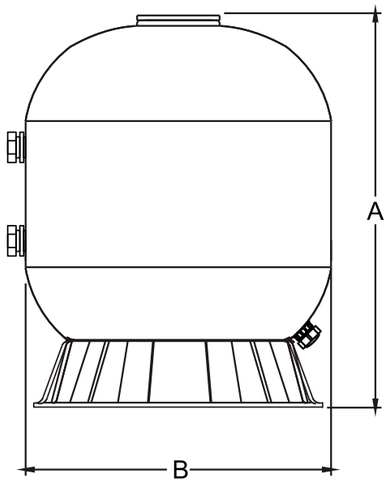
6. Make electrical connections to pump per pump instructions.

7. To prevent water leakage, be sure all pipe connections are tight.

MAIN DIMENSION

DIMENSION TABLE

Model	High mm A	Diameter mm B	Design Flow (m^3/h)	Filter Area. (m^2)
S700	960	710	19.20	0.40
S800	1050	820	26.40	0.53
S900	1180	920	33.00	0.66

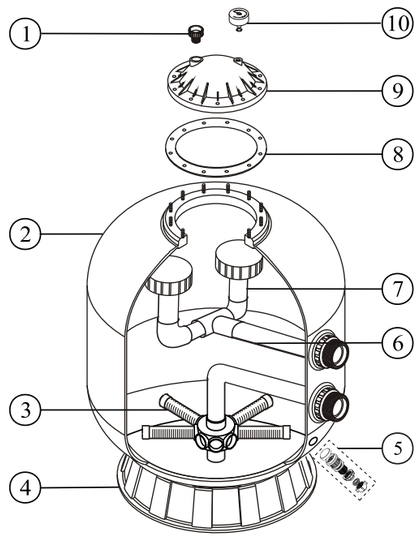


INSTALL/START-UP OF FILTER

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 back-washing 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.

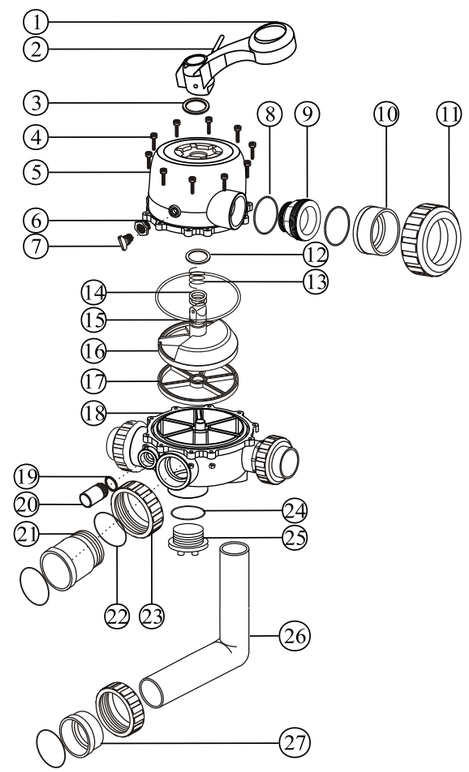
REPLACEMENT PARTS OF FILTER



Item	Part No.	Description
1	FT-03-022	Ari hose
2	FT-03-026 FT-03-27 FT-03-28	S700 S800 Filter tank S900
3	FT-01-022 FT-01-017C FT-01-026 FT-01-027 FT-01-028 FT-01-029	Lateral
4	FT-01-007 FT-01-45 FT-01-46	Filter support stand
5	FT-01-010	Drain
6	MPV-03-003 MPV-04W-04 MPV-03W-03 MPV-04W-05 MPV-03W-02 MPV-04-003 FT-03W-12 FT-03W-13	Lateral assembly With center pipe
7	FT-03-017 FT-03-018	Funnel
8	FT-03W-10	Gasket of flange
9	FT-03-002	Filter coping
10	FT-03W-04-1 FT-03W-05	Pressure gauge

REPLACEMENT PARTS OF MULTIPORT VALVE

Item	Part No	Description
1	MPV-01-019	Handle
2	MPV-01W-1	Pin,handle
3	MPV-01-006	Washer
4	MPV-01W-02-1 MPV-01W-02-2	Bolt with nut,lid
5	MPV-04B-001C	Lid assy
6	MPV-01-014	Nnt,plug
7	MPV-01-013	Plug
8	CP-01W-04	O`ring,bulkhead
9	MPV-02-005	Bulkdead fitting
10	MPV-02-007	Adaptor,bulkhead
11	MPV-02-006	Nut,bulkhead
12	MPV-01-007	Washer
13	MPV-01W-04	Spring
14	MPV-02W-01	O`ring,rotor
15	MPV-04W-01	O`ring,lid
16	MPV-02-003	Rotor
17	MPV-02-004	Gasket,spider
18	MPV-04B-002	Body-diffuser assy
19	MPV-03W-01	O`ring,sight glass
20	MPV-04-010	Sight glass
21	MPV-04-011	Union head
22	MPV-04W-02	Oring,union head
23	MPV-03-015	Nut,bulkhead
24	CP-01W-04	O`ring,plug
25	MPV-04-004	Plug,valve
26	MPV-04-012	Elbow with pipe
27	MPV-02-007	Adaptor,bulkhead



FUNCTIONS OF VALVE POSITIONS

Valve Postion	Function
FILTER	Normal Filtration
BACKWASH	Cleaning Filter by reversing the flow
RINSE	Used after backwash to flush dirt from valve
WASTE	By-passes filter, used for vacuuming to waste or lowering water level
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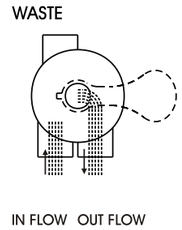
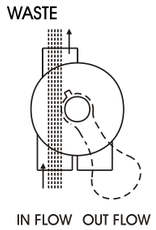
CLOSED	Shuts off all flow to filter or pool

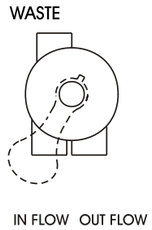
FILTER



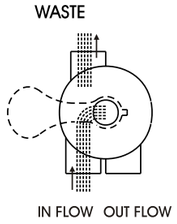
WASTE



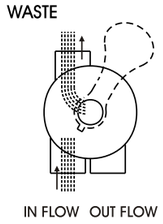
CLOSED



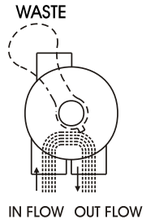
BACKWASH



RINSE



RECIRCULATE



GENERAL

1. Pipe tap boss provided for optional influent pressure gauge.
2. SERVICING VALVE(Stop pump,close gate valve in suction&discharge before proceeding):
   a. Set handle in filter position. b. Remove cover screws. c. Lift cover and key assembly out.

TO ASSEMBLE:

1. Place valve key so that wedge opening is at TOP port (handle in Filter psn.). Flat edge of cover screw lug should align with flat edge of body screw lug.
2. Position cover O'Ring.
3. Secure assembly to body with cover screws. Tighten cover screws evenly and alternately. Do not over-tighten.

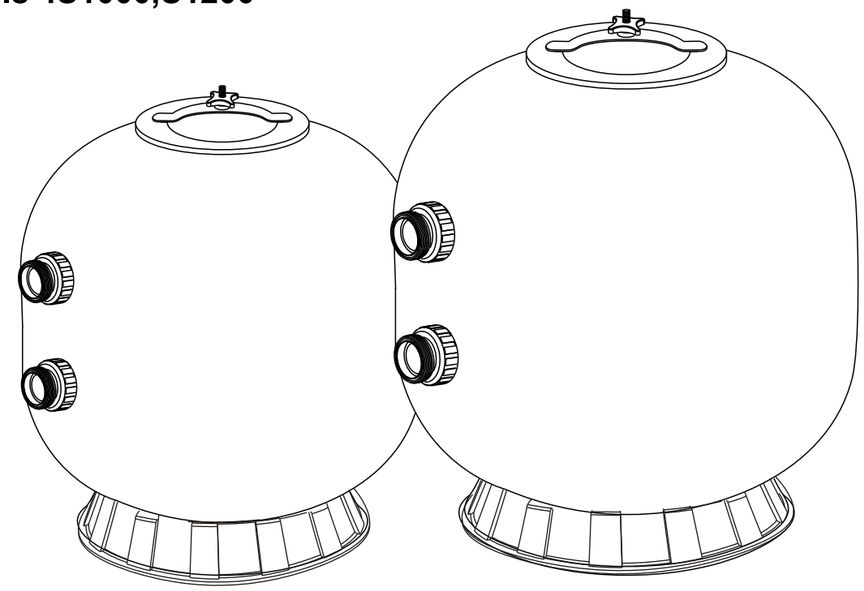
WARNING

⚠ 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.

Models :S1000,S1200



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 a 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. It 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 the 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 back-washed of dirt, set control valve to RINSE position and run pump for about 1/2 to 1 minute, and then set the control valve in the FILTER position, 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 andservice the filter.

1. 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.
2. Loading the sand media. Filter sand media is loaded through the top opening of the filter.
   a. Loosen flange clamp and remove filter control valve (if previously installed).
   b. Cap internal pipe with plastic cap to prevent sand from entering it.
   c. 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.
   d. 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.
3. Assemble filter control valve to filter tank.
   a. Insert filter control valve (with O'ring in place) into the tank neck, ensuring the twelve bolts which is pre-embedded in the tank neck through the twelve hole round the valve, taking care that the center pipe slips into the hole in the bottom of the valve as well.
   b. Put the twelve nuts and washers onto each of the twelve bolts, then screw all the nuts on with wrench,ensuring that all nuts are tight.
   c. Carefully screw pressure gauge (with O'ring in place) into tapped hole in valve body. Do not over-tighten.
   d. Connect pump to control valve opening marked PUMP.

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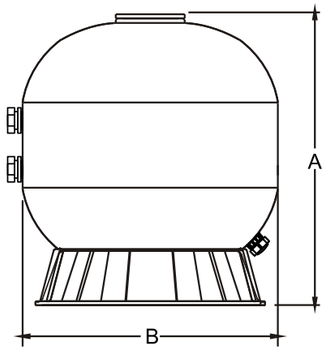
4. Make return to pool pipe connection to control valve opening marked RETURN and complete other necessary plumbing connections, suction lines to pump, waste, etc.
5. Make electrical connections to pump per pump instructions.
6. To prevent water leakage, be sure all pipe connections are tight.

MAIN DIMENSION



DIMENSION TABLE

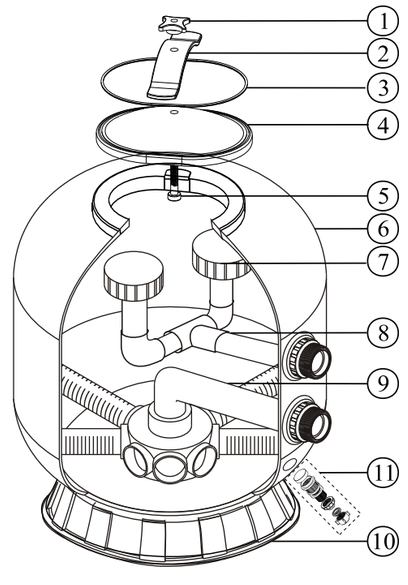
Model	High mm A	Diameter mm B	Valve inch	Sand kg
S1000	1220	1020	2.0 "	575
S1200	1410	1220	2.0 "	925

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 back-washing 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.

REPLACEMENT PARTS OF FILTER



Item	Part No.	Description
1	FT-04-001	Nut
2	FT-03W-15	Iron
3	FT-03W-16	O'ring
4	FT-03-29	Lid
5	FT-03W-17	Bolt
6	FT-03-31 FT-03-33	S1000 S1200 Filter tank
7	FT-03-017 FT-03-018	Diffuer
8	MPV-03-003 MPV-04-003 MPV-03W-03 MPV-04W-04 MPV-03W-02 MPV-04W-05 FT-03W-12 FT-04W-13	Piping assy
9	FT-01-026 FT-01-028 FT-01-027 FT-01-029	S1000 S1200 Lateral
10	FT-01-47 FT-01-49	S1000 Filter base S1200
11	FT-01-010	Drain

PARTS OF VALVE

Item	Part No	Description
1	MPV-01-019	Handle
2	MPV-01W-1	Pin,handle
3	MPV-01-006	Washer
4	MPV-01W-02-1 MPV-01W-02-2	Bolt with nut,lid
5	MPV-04-001C	Lid assy
6	MPV-01-014	Nnt,plug
7	MPV-01-013	Plug
8	CP-01W-04	O'ring,bulkhead
9	MPV-02-005	Bulkdead fitting
10	MPV-02-007	Adaptor,bulkhead
11	MPV-02-006	Nut,bulkhead
12	MPV-01-007	Washer
13	MPV-01W-04	Spring
14	MPV-02W-01	O'ring,rotor
15	MPV-04W-01	O'ring,lid
16	MPV-02-003	Rotor
17	MPV-02-004	Gasket,spider
18	MPV-04-002	Body-diffuser assy
19	MPV-03W-01	O'ring,Sight glass
20	MPV-04-010	Sight glass
21	MPV-04-011	Union head
22	MPV-04W-02	O'ring,Union head
23	MPV-03-015	Nut,bulkhead
24	CP-01W-04	O'ring,Plug
25	MPV-04-004	Plug,valve
26	MPV-04-012	Elbow with pipe
27	MPV-02-007	Adaptor,bulkhead