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SAND FILTER

MODEL:25023BX/25033BX/25043BX/25053BX

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"Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and doses not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

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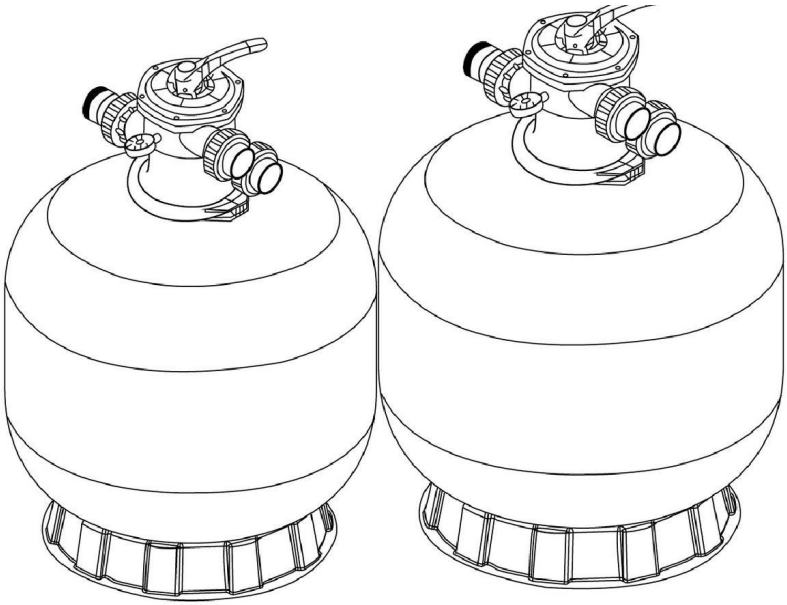


NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

CustomerService@vevor.com

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

FUNCTION

The filter uses special filter sand to remove dirt particles from pool water. The filter sand is loaded into the filer 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 the control valve to RINSE position and run the pump for about 1/2 to 1 minute, and then to the filter to resume normal filtering.
NOTE: Turn the pump off before changing the 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 and 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 the flange clamp and remove the filter control valve (if previously installed).
b. Cap the internal pipe with a plastic cap to prevent sand from entering it.
c. We recommend a filling tank approximately 1/2way 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 the correct amount and grade of filter sand. (Be sure the center pipe remains centered in the opening.) The sand surface should be leveled and should come to about the middle of the filter tank. Remove the plastic cap from the internal pipe.

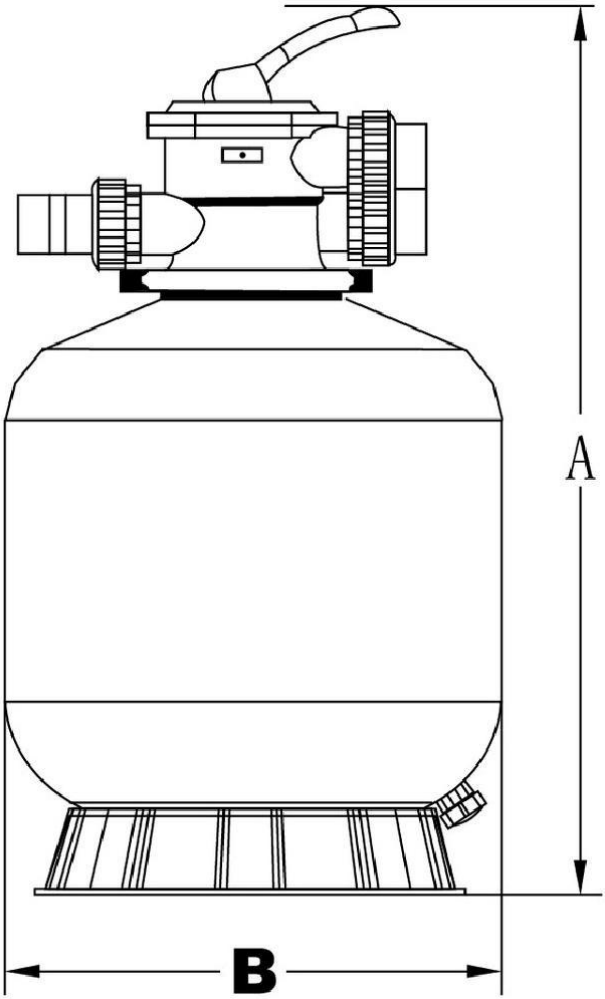
3.Assemble the filter control valve to the filter tank.
a. Insert the filter control valve (with O ring in place) into the tank neck, taking care that the center pipe slips into the hole in the bottom of the valve.
b. Place two plastic clamps around the valve flange and tank flange and tighten just enough so that the valve may not be rotated on the tank for final positioning.
c. Carefully screw the pressure gauge (with the O ring in place) into the tapped hole in the valve body. Do not over-tighten.
d.Connect the pump to the control valve opening marked PUMP. After connections are made, tighten valve flange clamps with a screwdriver, tapping around clamp with a screwdriver handle to help seat valve flange clamp.

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

5.Make electrical connections to the pump per pump instructions.

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

MAIN DIMENSION



DIMENSION TABLE

Model	Size	High（A）	Diameter （B）	Valve Port Size	Sand	Qmax	Accessories
25023BX	16"	820mm	400mm	11/2"	35kg	35GPM	1.Cylinder end locking ring（right） 1PCS 2.Cylinder end locking ring（left） 1PCS 3.Two-end threaded joint 3PCS 4.Single-end threaded joint 1PCS 5.Transparent single-end T-thread 1PCS 6.Pressure gauge（radial direction） 1PCS 7.Screw three-piece set 2PCS 8.Teflon tape 1PCS 9.Locking nut 3PCS 10.T-joint 2PCS 11.O-ring（58 x 3.1 mm A-level rubber） 3PCS 12.O-ring（50 x 3.1 mm A-level rubber） 3PCS
25033BX	19"	835mm	458mm	11/2"	45kg	45GPM	
25043BX	22"	855mm	506mm	11/2"	85kg	55GPM	
25053BX	24"	1095mm	600mm	11/2"	145kg	65GPM	

INSTALL/START-UP OF FILTER

1.Be sure the correct amount of filter media sand is in the tank and that all connections have been made and are secure.

2.Depress the control valve handle and rotate to the BACKWASH position. (To prevent damage to the control valve seal, always depress the handle before turning.)

3.Prime and start the 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 l minute.The initial back-washing of the filter is recommended to remove any impurities or fine sand particles in the sand media.

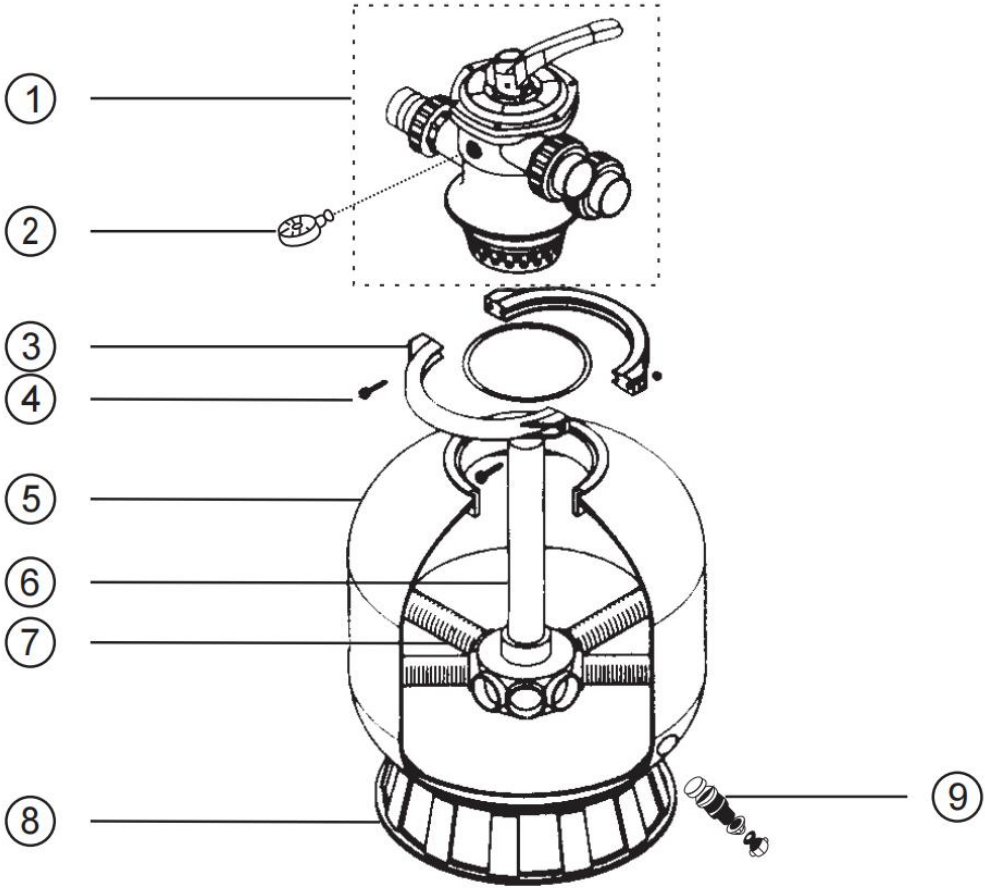
4.Turn the pump off and set the valve to the RINSE position. Start the pump and operate until the water in the sight glass is clear, about 1/2 to l minute. Turn the pump off and set the valve to FILTER position and restart the pump. The filter is now operating in the normal filter mode, filtering dirt particles from the pool water.

5.Adjust pool suction and return valves to achieve the desired flow. Check the system and filter for water leaks and tighten connections, bolts, and 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 the 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.

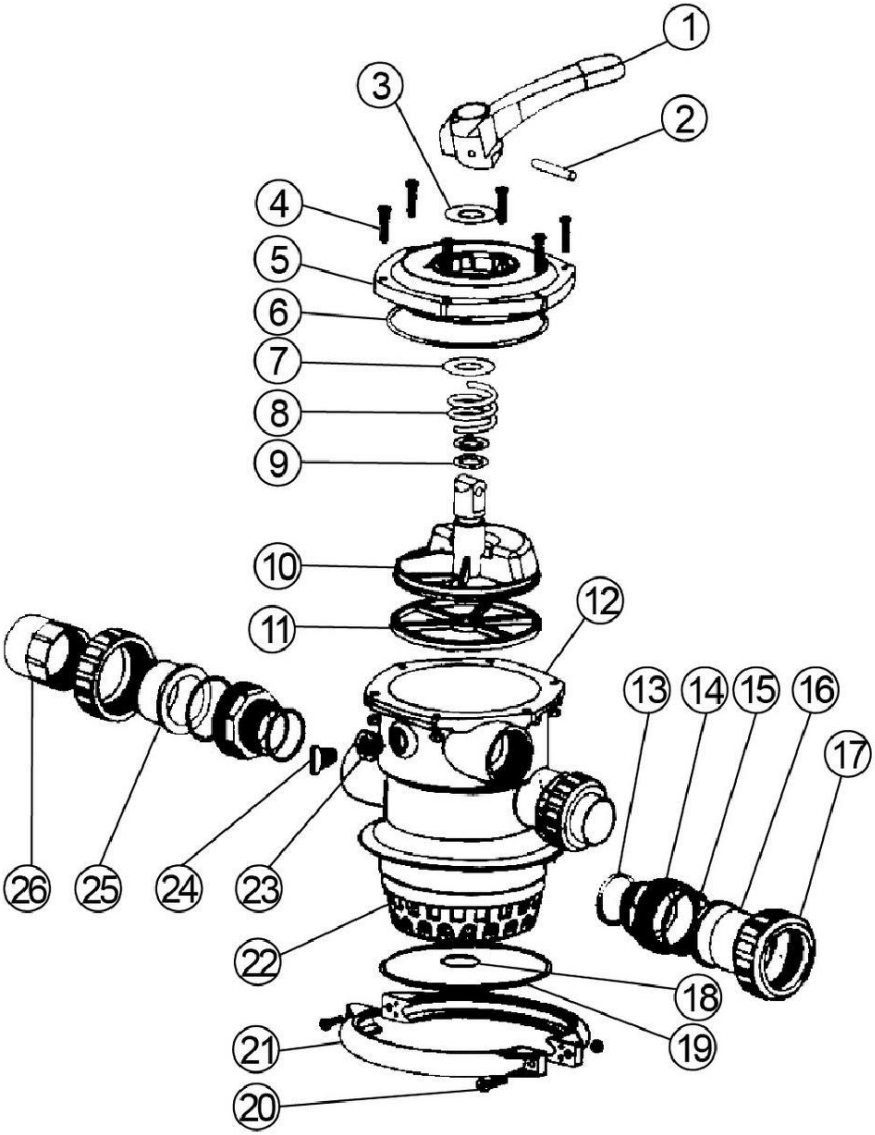
REPLACEMENT PARTS OF FILTER



Item	Part number	Description	
1	MPV-01A	Valve	
2	FT-03W-04-1 FT-03W-05	Pressure gauge with o ring	
3	FT-01-003	Flange clamp	
4	MPV-01W-10-1 MPV-01W-10-2	Screw with nut	
5	FT-01-035 FT-01-036 FT-01-037 FT-01-038 FT-01-039	Ph350 PH400 PH450 Filter tank PH500 PH600	
6	MPV-03W-03 FT-01-017	Lateral assembly with center pipe	
7	FT-01-022 FT-01-023	PH350-PH400 PH450-PH600	Lateral
8	FT-01-008 FT-01-007	PH350-PH400 PH450-PH600	Filter base
9	FT-01-010	Drain	

REPLACEMENT PARTS OF THE MULTIPORT VALVE

Item	Description	Qty	Part No
1	Handle	1	MPV-01-020
2	Pin handle	1	MPV-01W-1
3	Washer	1	MPV-01-006
4	Bolt with nut, lid	6	MPV-01W-02-1 MPV-01W-02-2
5	Lid assy	1	MPV-01-004
6	O'ring,lid	1	MPV-01W-03
7	Washer	1	MPV-01-007
8	Spring	1	MPV-01W-04
9	O'ring,rotor	2	MPV-01W-05
10	Rotor	1	MPV-01-005
11	Gasket,spider	1	MPV-01-015
12	Body-diffuser assy	1	MPV-01-001
13	O'ring,bulkhead	3	MPV-01W-06
14	Bulkhead fitting	3	MPV-03-004
15	O'ring,bulkhead	3	MPV-01W-7
16	Adaptor,bulkhead	2	MPV-01-010
17	Nut,bulkhead	3	MPV-01-009
18	O'ring,standpipe	1	MPV-01W-8
19	O'ring,filter	1	MPV-01W-9B
20	Bolt with nut,clamp	2	MPV-01W-10-1 MPV-01W-10-2
21	Flange clamp	2	FT-01-003
22	Over drain,diffuser	1	MPV-01-012
23	Nut,plug	1	MPV-01-014
24	Plug with o ring	1	MPV-01-013 FT-03W-05
25	Sight glass	1	MPV-01-017
26	Tricky set	1	MPV-01-018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Valve Position	Function
FILTER	Normal Filtration and Vacuuming
BACKWASH	Cleaning Filter by reversing the flow
RINSE	Used after backwash to flush dirt from the valve
WASTE	By-passes filter, used for vacuuming to waste or lowering the water level
RECIRCULATE	By-passes filter for circulating water to pool
CLOSED	Shuts off all flow to filter or pool

REPLACEMENT PARTS OF THE MULTIPORT VALVE

⚠ 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 THE PUMP OFF BEFORE CHANGING THE VALVE POSITION.

⚠ TO PREVENT DAMAGE TO THE PUMP AND FOR PROPER OPERATION OF THE SYSTEM, CLEAN THE PUMP STRAINER AND SKIMMER BASKETS REGULARLY.

⚠ DO NOT UNSCREW THE SCREWS OFF LANGE CLAMP WHILE THE PUMP IS RUNNING.

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