

-maux

water technology

GENERAL

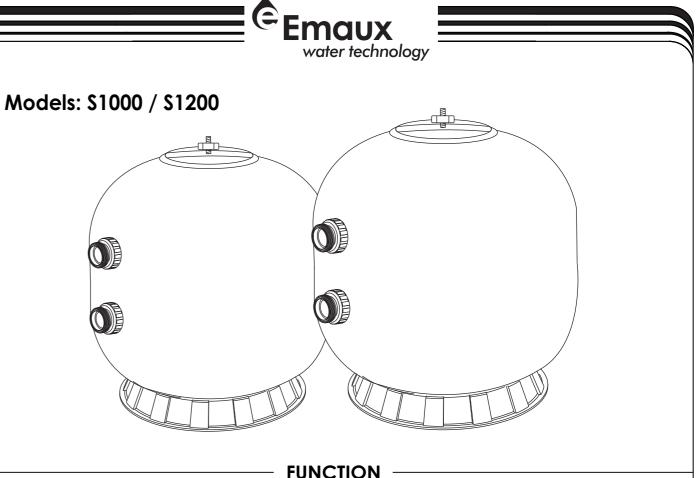
- 1) Pipe tap boss provided for optional influent pressure gauge.
- 2) SERVICING VALVE(Stop pump, close gate valve in suction& discharge before proceeding): a) Set handle in filter position. b) Remove cover screws. c) Lift cover and key assembly out.

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'Rina.
- 3) Secure assembly to body with cover screws. Tighten cover screws evenly and alternately. Do not overtiahten.

– 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 Ŵ AND SKIMMER BASKETS REGULARLY.
- DO NOT UNSCREW SCREWS OF FLANGE CLAMP WHILE PUMP IS RUNNING.
- UNDER LOW TEMPERATURE SHUT OFF CONDITION, IT IS STRONGLY RECOMMEND TO TURN TO WINTERISE \mathbb{A} POSITION AND DISCHARGE ALL THE WATER INSIDE FILTER THROUGH THE BOTTOM DRAIN.



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.

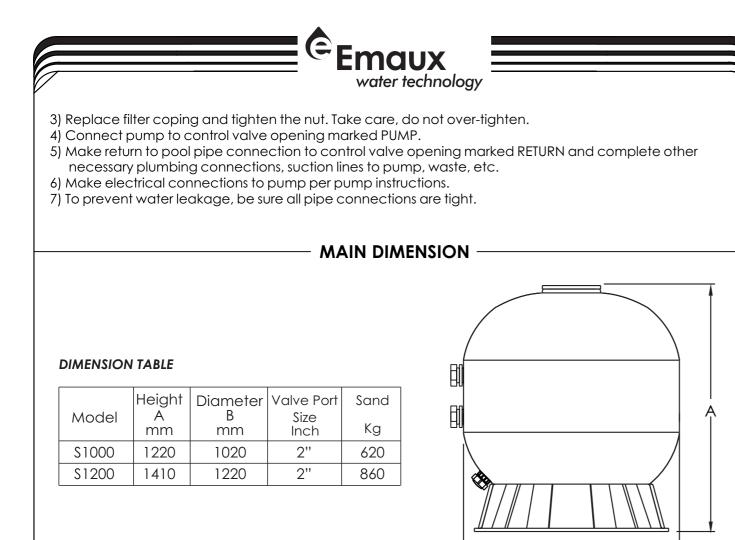
After a period of time the accumulated dirt in the filter causes a resistance to flow, and the flow diminishes. Thismeans it is time to clean your filter. With the control valve in the BACKWASH position, the water flow is automatically reversed through the filter so that it is directed to the bottom 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 toRINSE 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 page 4).
 - 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.



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 value 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 aguage 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.

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		REPLACEM	ENT PAR	'S OF FIL	TER	
			Item	Part No.	Description	0
			1	E012053	S1000-S1200/H Filter Lid	
			1-1	01111100	Star-Shaped Nut	
			1-2	03042001	Bow-Shaped Metal Bar	+
			1-3	4100066836	NL/K SMC Lid	
			1-4	111292548	O-Ring for Manhole	+
			2	E011301	\$1000 Filter Tank With Base 2.5bar	
7			o 2	E011302	\$1200 Filter Tank With Base 2.5bar	+
			2	E011306	\$1000 Filter Tank With Base 4bar	+
				E011318	\$1200 Filter Tank With Base 4bar	1
	Œ	' 3 - Exerce (10)		89011303	The Inner Tank System for \$1000	+
	(3)			89011304	The Inner Tank System for \$1200	+
			y 3 4	4110000990	2.0"Tank System Support	+
			5	89010613	Laterals(129mm & 185mm)	+
٦	TTTT		5	89010614	Laterals (129mm & 233mm)	+
1			6	01112038	SMG900 Base	+
		6 ATTA PAR	6	01112039	Base for V1200	+
			8	89010107	Water Drain Set	+
			8	06011029	Oil Pressure Gauge with O-ring (40psi	i)
						-
			8	06011030	Oil Pressure Gauge with O-ring (60psi	"
			9	88280813 02011127	6 Way 2" Side Mount Valve (Black) O-Ring for Inlet & Outlet	+
			RTS OF I	MULTIPC		
1	Part No.	REPLACEMENT PA Description				
	01013003	Description Handle (Big)		Qty 1		
1	01013003 03018008	Description Handle (Big) Pin for Handle		Qty		
1	01013003 03018008 01181001	Description Handle (Big) Pin for Handle Washer for Handle		Qty 1 1 1		
	01013003 03018008 01181001 01013156	Description Handle (Big) Pin for Handle Washer for Handle Squareness Lid (Black)		Qty 1 1 1 1 1		
1	01013003 03018008 01181001 01013156 E190143	Description Handle (Big) Pin for Handle Washer for Handle Squareness Lid (Black) M6 x 30 Screw with Nut		2ty 1 1 1 1 1 10		
<u>ו</u>	01013003 03018008 01181001 01013156 E190143 89280120	Description Handle (Big) Pin for Handle Washer for Handle Squareness Lid (Black) M6 x 30 Screw with Nut Drain Plug Fitting with O-ring		Qty 1 1 1 1 1		
	01013003 03018008 01181001 01013156 E190143	Description Handle (Big) Pin for Handle Washer for Handle Squareness Lid (Black) M6 x 30 Screw with Nut Drain Plug Fitting with O-ring Drain Plug with O-Ring		2ty 1 1 1 1 1 1 1 1 1 1 1 1 1		(8)
	01013003 03018008 01181001 01013156 E190143 89280120 89021307	Description Handle (Big) Pin for Handle Washer for Handle Squareness Lid (Black) M6 x 30 Screw with Nut Drain Plug Fitting with O-ring		2ty 1 1 1 1 1 1 1 1 1 1 1 1 1		(8)
	01013003 03018008 01181001 01013156 E190143 89280120 89021307 06011029	Description Handle (Big) Pin for Handle Washer for Handle Squareness Lid (Black) M6 x 30 Screw with Nut Drain Plug Fitting with O-ring Drain Plug with O-Ring Oil Pressure Gauge with O-ring (40psi)		2ty 1 1 1 1 1 1 1 1 1 1 1 1 1		
	01013003 03018008 01181001 01013156 E190143 89280120 89021307 06011029 06011030	Description Handle (Big) Pin for Handle Washer for Handle Squareness Lid (Black) M6 x 30 Screw with Nut Drain Plug Fitting with O-ring Drain Plug with O-Ring Oil Pressure Gauge with O-ring (40psi) Oil Pressure Gauge with O-ring (60psi)		2ty 1 1 1 1 1 1 1 1 1 1 1 1 1		
	01013003 03018008 01181001 01013156 E190143 89280120 89021307 06011029 06011030 02020016	Description Handle (Big) Pin for Handle Washer for Handle Squareness Lid (Black) M6 x 30 Screw with Nut Drain Plug Fitting with O-ring Drain Plug with O-Ring Oil Pressure Gauge with O-ring (40psi) Oil Pressure Gauge with O-ring (60psi) O-Ring for Connector		2ty 1 1 1 1 1 1 1 1 1 1 1 1 1		
	01013003 03018008 01181001 01013156 E190143 89280120 89021307 06011029 06011030 02020016 01013031	Description Handle (Big) Pin for Handle Washer for Handle Squareness Lid (Black) M6 x 30 Screw with Nut Drain Plug Fitting with O-ring Drain Plug with O-Ring Oil Pressure Gauge with O-ring (40psi) Oil Pressure Gauge with O-ring (60psi) O-Ring for Connector 2.0" Connector (Black)		2ty 1 1 1 1 1 1 1 1 1 1 1 1 1		
	01013003 03018008 01181001 01013156 E190143 89280120 89021307 06011029 06011030 02020016 01013031 01171154	Description Handle (Big) Pin for Handle Washer for Handle Squareness Lid (Black) M6 x 30 Screw with Nut Drain Plug Fitting with O-ring Drain Plug with O-Ring Oil Pressure Gauge with O-ring (40psi) Oil Pressure Gauge with O-ring (60psi) O-Ring for Connector 2.0" Connector (Black) 2.0" Union (A/E)		2ty 1 1 1 1 1 1 1 1 1 3 3		
	01013003 03018008 01181001 01013156 E190143 89280120 89021307 06011029 06011030 02020016 01013031 01171154 01013032	Description Handle (Big) Pin for Handle Washer for Handle Squareness Lid (Black) M6 x 30 Screw with Nut Drain Plug Fitting with O-ring Drain Plug with O-Ring Oil Pressure Gauge with O-ring (40psi) Oil Pressure Gauge with O-ring (60psi) O-Ring for Connector 2.0" Connector (Black) 2.0" Union (A/E) 2.0" Union Nut (Black)		2ty 1 1 1 1 1 1 1 1 1 1 3 3 3 3		
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