

# SIDE-MOUNT SAND FILTERS



# "S" Series Fiberglass Side-Mount Sand Filters

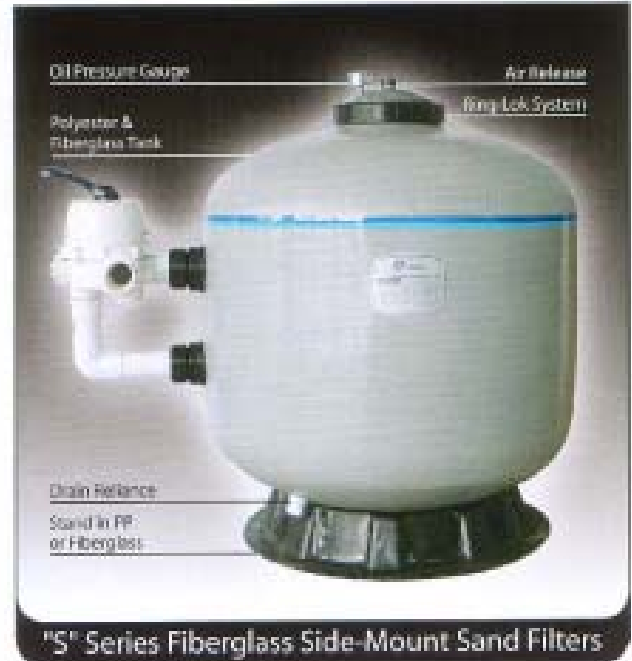
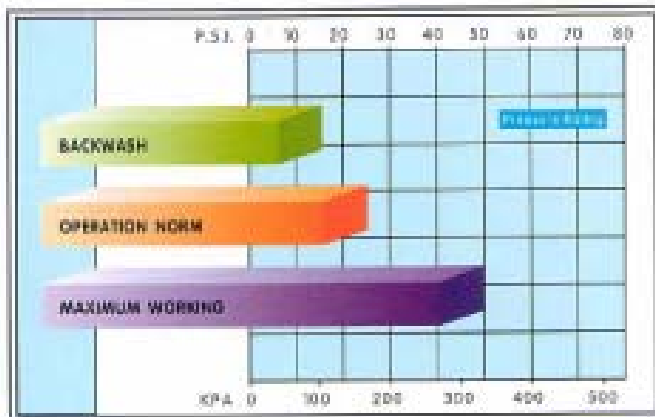
Sand filters are one of the most popular ways to filter water. They are simple, effective, and require very little attention. Pool water is routed through a sand-filled pressure vessel. The sand traps particles large and small, so small they are undetectable to the human eye. Over time, dirt accumulates in the space between the sand particles causing the pressure in the vessel to rise as water finds it harder to pass through. This signals you to "backwash" the filter. Simply reverse the water flow and "knock out" the dirt.

"EMAUX" Fiberglass Sand Filters are constructed by the latest engineering technology. The improvement of flow ability provides an extra pure water filtration. The Fiberglass winding design allows the filter to have extra strength and resistance to chemical and corrosives. With the new Ring-Lok multi-port valve system design, you will find services the most easiest.

"EMAUX" Fiberglass Sand Filters are the most recommendable equipment for the application of Swimming Pool and Spa.

## MULTI-PORT VALVE (SIX POSITIONS)

1. **FILTER:** Normal filtration, and vacuuming
2. **BACKWASH:** Cleaning filter by reversing the flow
3. **RINSE:** Use after backwash to flush dirt from valve
4. **WASTE:** By-pass filter, used for vacuuming to waste or lowering water level
5. **RECIRCULATE:** By-pass filter for circulating water to pool
6. **CLOSED:** Shuts off all flow to filter or pool



## Standard features include:

- \* This filter is manufactured with fiber-glass and polyester resin.
- \* Totally anticorrosive.
- \* Ring-Lok system with convenient union connectors between the filter and pump allow for easy serviceability.
- \* Exclusive design laterals with side-slotted to draws water evenly and higher flows, better filtration and longer cycles.
- \* The filters production is by Computerized System controlled with specially designed machines to ensure flexibility reinforcing the Quality on each Stage of manufacture.
- \* Fiberglass reinforced tank with UV resistant surface finish.
- \* Internal surface of the tank is finished with water resistant resin.
- \* Spherical tank with uniform wall thickness.
- \* Fitted with oil pressure gauge, air release and manual water drain cock.
- \* Resistant to salt water.

Working pressure 2.5 Kg/cm<sup>2</sup> - 37.5 PSI.

Testing pressure 3.75 Kg/cm<sup>2</sup> - 56.25 PSI.

- \* Ten-Year Limited Tank Warranty.



## TECHNICAL CHARACTERISTICS

Model No.	5450	5500	5650	5700	5800	5900	51000	51100	51200
Tank Dia. (mm/inch)	470/18	550/21	650/25	720/28	820/32	920/36	1020/40	1120/44	1220/48
Height (mm)	730	770	850	960	1050	1180	1170	1280	1410
Valve Port Size (mm/inch)	40/1.5	40/1.5	40/1.5	40/1.5	50/2	50/2	50/2	50/2	50/2
Filter Area (m <sup>2</sup> )	0.16	0.22	0.30	0.40	0.50	0.64	0.79	0.98	1.13
Silice Sand (kg)	40	85	155	185	210	310	410	460	560
Design Flow (m <sup>3</sup> /h)	7.98	11.52	16.20	19.20	25.20	30.00	33.00	37.80	42.00



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