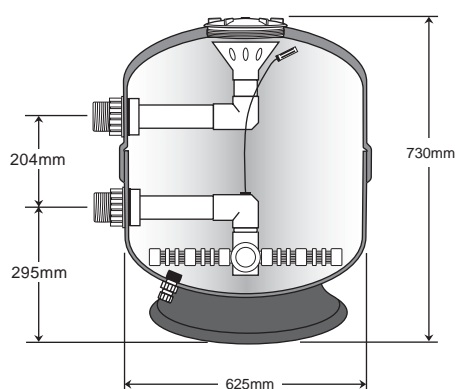


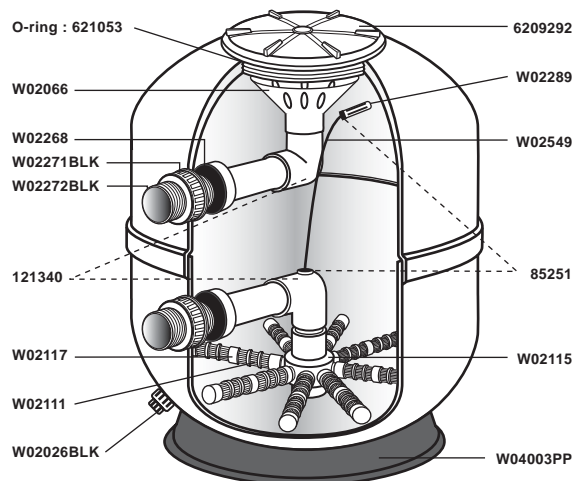
LACRON

Hi-Rate Sand Filter

TYPE STANDARD : - (24") - LSR-24SM



LSR- 24"SM (code : 222024)

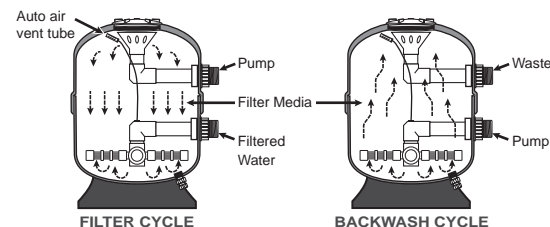


PART NO.	COMPONENTS	USAGE
W04003PP	Filter Base PP 600	1
W02026BLK	Drain Plug Complete 15mm	1
W02117	Lateral Waterco End Cap Nut	8
W02289	Air Relief Tube Screen	1
W02268	Gasket Bulkhead Body 40mm	2
W02271BLK	Bulkhead Lock nut 40mm Black	2
W02272BLK	Bulkhead Threaded Body 40mm Black	2
W02549	T/L Moulded Air Bleed 500mm	1
121340	Elbow 90deg 40mm	2
85251	Gulfstream Plug	2
W02066	Funnel for SM Filters	1
6209292	Lid 8" Lacron	1
621053	O-ring 200mm x 6mm	1
W02111	Lateral Waterco 75mm	16
W02115	Manifold Waterco 40mm	1

Lacron filters are suitable for removing suspended dirt particles from water at high speed efficiently and economically, in both fresh and salt-water conditions. Lacron filters are constructed from totally corrosion resistant materials to ensure trouble free running and prolonged life. Each filter is rigorously pressure tested to the highest standards and certified as correct prior to leaving the factory.

The recommended media for Lacron filters is **16-30 grade silica sand** to achieve excellent results.

FILTRATION PRINCIPAL



IMPORTANT

Prior to running, check that all valves are in the correct positions. **NEVER:** attempt to alter valves without first **stopping the pump** - or in any way subjecting the system to a closed head situation.

FILTER CYCLE

Contaminated water is pumped in through the top inlet port and distributed via the head pipework system. Thus creating a uniform flow through the media bed. Dirt particles suspended in the water will penetrate and become embedded in the media, allowing the cleaned water to pass through fine slots in the collector assembly. The water is then returned to the pool via pipework connected to the bottom outlet port. The effectiveness and efficiency of the filter is impaired by excessive build up of debris, clogging the media, which will result in pressure build up and poor circulation.

In this respect, we recommend that a suitable calibrated pressure gauge be installed on the pressurised pipework between the pump and the filter.

Increases in the normal running pressure of approximately 25-30 per cent will indicate that BACKWASHING or cleaning of the media is required.

BACKWASH CYCLE

Backwashing or media cleaning is achieved by reversal of the water flow through the filter to waste and is activated by re-positioning the valves. It is most important that water used on the backwash run is free from algae and debris. Waste pipework should be kept as short as possible with a bore size the same as or greater than the filter inlet-outlet ports. Any restrictions or pipework bends will reduce the efficiency of the backwash procedure.

The effect of backwashing can be clearly observed through the filter lid and when first commenced the purged water will become extremely cloudy.

Gradually this will change and after 2-3 minutes the water will clear completely, leaving the media free of debris, at which point the backwash procedure can be stopped and the system re-set for the normal run or rinse cycle.

RINSE CYCLE

This may not be incorporated on all systems; but is designed to level the media bed and expel any foreign particles from inside the collector assembly. The flow through the filter is in the same direction as for the normal filter cycle with water used being exhausted to waste, via the valves and pipework.

The rinse cycle only requires 10-20 seconds running time to produce the correct results.

SPECIFICATIONS LSR-24SM LACRON FILTER - 24"	IMPERIAL	METRIC
Overall Height	29.0"	730mm
Overall Width	25.5"	625mm
Unladen Weight	55lbs	25kgs
Face Pipework	1 1/2"BSP	50mm
Filtration Area	3.1sq-ft	0.30m ²
Design Working Pressure	15psi	1.0BAR
Maximum Working Pressure	22psi	1.5BAR
Test Pressure (Surge & Static)	50psi	3.3BAR
Media Content (16/ 30 Grade Silica Sand) (0.35mm to 0.55mm)	2.5CWT	125kg
MAXIMUM FLOW RATE	3300g/ hr	15m³/ hr