



PRF-RO System

On-demand Reverse Osmosis System

The PRF-RO system is designed for on demand RO water without the need for a pump. Meeting the production requirements of light commercial applications such as window washing and aquatics, the new specially designed PRF-750-RO membrane

significantly improves permeate flow and system recovery. All componentry including a high capacity Fibredyne carbon pre-filter and two membranes, locate into the unique manifold with three colour coded push-fit connections for simple installation.

Key Features

- Up to 4,900 litres per day of on-demand purified water
- Reduce waste water by 75%
- Works on mains pressure (2.8 bar +), requiring no pump
- Dual membrane preferences

Typical Applications

- Spot-free finish
- Window wash
- Aquatics
- Drinking water

Specification

Max. Operating Temperature
38°C

Max. Operating Pressure
5.5 bar at 21°C

Max. Feed TDS
2,000 mg/L

Chlorine / Chloramine Tolerance (mg/l)
1

Port Sizes

Feed

½" Natural Tubing

Concentrate

¾" Black Tubing

Permeate

¾" Blue Tubing

System Improvement with PRF-750-RO Membrane

70%

Increased Flow Rate

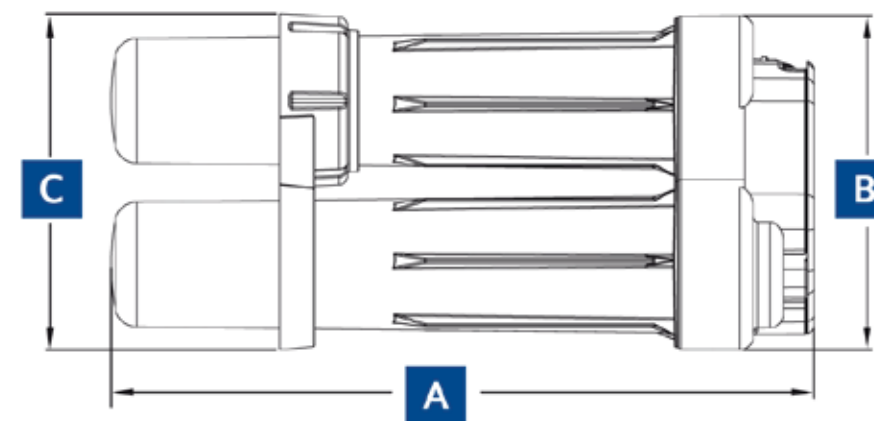
94%

Rejection Rate

50%

Improved Recovery

Dimensions & Packaging

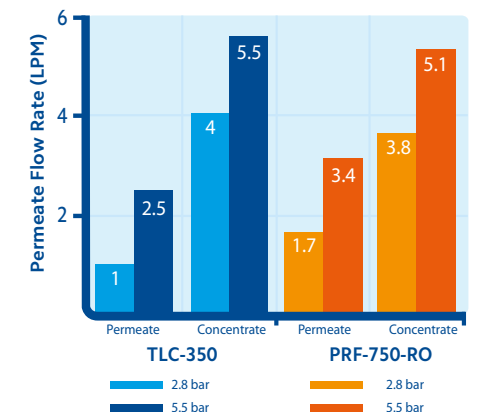


PRF-RO System Dimensions (mm)

A	B	C
507	243	244

System Performance

Using TLC-350 or PRF-750-RO
(Inlet Water at 10°C and 400ppm)



Product Codes

Code	Description	Box Quantity	Box Weight (kg)
PRF-RO	Pentair PRF-RO System	6	66
PRF-750-SYSTEM	Pentair PRF-RO System complete with SPECTRUM PRF-750-RO Membrane	6	66
PRF-RONOFITTINGS	Pentair PRF-RO System without tap/drain/tubing	6	60
PRF-750-RO	SPECTRUM TF Thin Film RO Membrane	8	16
PRF-ROMEMBRANESTLC-350	Pentair PRF-RO/Merlin/Flexi Filter Membrane (TLC-350)	8	16
PRF-ROCARBONPRE-FILTER	Pentair PRF-RO/Merlin/Flexi Filter Carbon Pre-Filter	20	20
PRF-ROSEDIMENTPRE-FILTER	Pentair PRF-RO/Merlin/Flexi Filter 10µm Sediment Pre-Filter	15	15
PRF-ROCARBONPOST-FILTER	Pentair PRF-RO/Merlin/Flexi Filter Carbon Post-Filter	12	6