

Water Filtration

PR Membranes

PR Water-Flo Filtration Membranes

PR Water Filtration Membrane Systems are designed for cross-flow and dead-end filtration.

Hollow fibre membranes also have the capability to be backwashed. They enable flexibility to operate in a range of applications that can be optimised for specific water sources to reduce operating costs.

The PR Water Filtration Membrane provide efficient water treatment systems for clients requiring upgrades, purification, pre-treatment,

disposal and recycling of their water process use.

Typical operating pressures are in the range of 0-30 pounds per sq. inch.

Some of the industries ideal for the PR Water Filtration Membrane Systems include food, chemical, textile, petroleum, iron, steel, hotels, resorts, construction and residential.

A range of membrane systems are available.



KEY FEATURES & BENEFITS

Provides efficient water treatment systems for a range of applications

- Fully automated
- Easy operation and maintainence
- Use as a stand alone system or in conjunction with the PR Water Clarification units
- NO chemicals required for solids separation
- PR Water-Flo membrane U860 cartridge
- Feed and backflush pumps
- 2 control valves
- Feed, air and backflush pressure gauges
- Product flow meter
- Air-scouring configuration
- Stainless steel frame
- PVC piping, hoses and quick couplings
- Electrical control panel with PLC

TECHNICAL DATA

SPECIFICATIONS		
Configuration	Hollow Fibre	
Operation Process	Dead-end filtration (Out to in) Air scouring with backflush (In to out)	
Recovery	90-95% *	
Operating Temperature	<50° C	
Operating Pressure (TMP)	<8 psi (Feed) <14psi (Backflush)	
Flow Rate	City Water	4.0 m ³ /h (56gfd) *
	River/Bore	2.5 m ³ /h (35gfd) *
	Treated Wastewater	1.5 m ³ /h (21gfd) *
Product Turbidity	< 0.1 NTU *	
Electrical Power	230v, 50Hz, 8A, Single Phase	

* Subject to feed water condition.

DIMENSIONS AND WEIGHTS

Model	PR2-M	PR4-M	PR8-M	PR10-M	PR20-M	PR24-M
Membrane Cartridges	2	4	8	10	20	24
Weight (kg)	130	230	470	700	1400	1800
Dimensions (m)	0.8 x 1.0 x 2.3	1.3 x 1.0 x 2.2	2.6 x 1.2 x 2.2	3.0 x 1.2 x 2.2	4.4 x 4.2 x 2.2	5.2 x 1.2 x 2.2

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