

PURAN

Waste Water Reverse Osmosis Membrane ROCOD-100



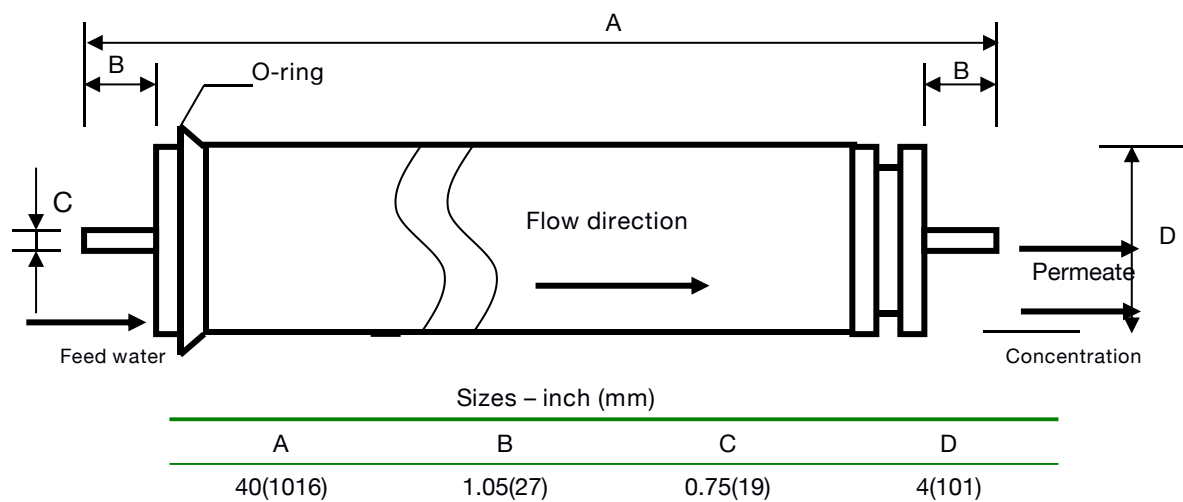
Description

The ROCOD Series use reverse osmosis for molecular separation, desalination and purification of liquids. The module involves a total reverse osmosis system resulting in a module that operates effectively and economically even at increased turbidity and Silt Density Index levels. Compared with standard RO, it can work stably with high TDS and COD wastewater.

Application

- Leachate treatment
- Dyeing waste water
- Seawater desalination
- Paper production waste water
- Dairy waste water etc.

Dimension



Technical Parameters

Model	ROCOD-100	
Specification	Salt rejection rate	99.3% min.
	Permeate flow	1600gpd(6m ³ /d)
Type	Configuration	Spiral wound
	Membrane material	Composite Polyamide
	Membrane area	60ft ² (5.5m ²)
Application limits	Maximum operation pressure	600psi (4.16MPa)
	Maximum chlorine concentration	0.1ppm
	Maximum operating temperature	113 °F (45°C)
	Feedwater pH range continuous working	2.0 - 10.0
	Maximum feedwater turbidity	3.0 NTU
	Maximum feedwater SDI (15 mins)	15.0
	Maximum COD	50,000ppm
	Maximum feed flow	10 GPM (2.3m ³ /h)
	Maximum pressure drop for each element	13psi(0.09MPa)

* The limitations shown here are for general use. Operating at more conservative values for specific projects may ensure the best performance and longest life of the membrane.

Test Condition

The stated performance is for the initial data taken after 30 minutes of operation, based on the following test conditions:

- 2000 ppm NaCl solution
- 225psi (15.5bar) applied pressure
- 77°F (25°C) operating temperature
- 6.5-8.5 pH range
- 15% permeate recovery

Note

Permeate flow for individual elements may vary +15% or -15%. All membrane elements are supplied with a brine seal, interconnector, and o-rings. Elements are enclosed in a sealed polyethylene bag containing less than 1.0% sodium meta-bisulphate solution and 10% propylene glycol, and then packaged in a cardboard box.