

PURAN

Heat Sanitizable RO Membrane



Description

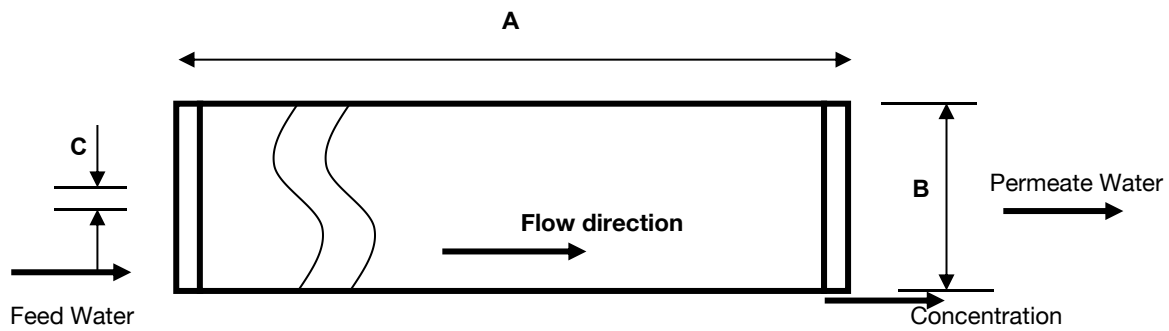
Puran HSRO heat sanitizable reverse osmosis membrane elements deliver outstanding quality water with the added capability to withstand sanitization with hot water. Hot Water sanitization eliminates the need for chemical sanitizers. The full-fit configuration minimizes stagnant areas and is optimal for applications requiring a sanitary design.

Technical Parameters

Model	Diameter inch	Membrane Area ft ² (m ²)	Salt Rejection Rate %	Product Flow Rate gpd (m ³ /d)	Feed Spacer Thickness mil
PN-HSRO-4040	4"	90(8.4)	98	2100(7.9)	28
PN-HSRO-390	8"	390(36)	99.5	9000(34)	28

Type	Configuration	Spiral wound
	Membrane material	Composite Polyamide
Test Condition	Feed water pressure	150psi (1.03MPa)
	Feed water temperature	77°F (25°C)
	Feed water concentration	2,000mg/l NaCl
	Recovery rate	15%
	Feed water pH	6.5-8.5
Application limits	Maximum chlorine concentration	0.1ppm
	Max. feed water temperature	98 °F (45°C)
	Maximum sanitization temperature	185 °F (85°C)
	Feed water pH range continuous working	3.0 - 10.0
	Maximum feed water turbidity	1.0 NTU
	Maximum feed water SDI (15mins)	5.0
Maximum pressure drop for each element	13psi(0.09MPa)	

Dimensions



Sizes – inch (mm)

Model	A	C	D
PN-HSRO-4040	38(965)	0.83(21.1)	3.9(99)
PN-HSRO-390	40(1016)	1.13(28.6)	7.9(200)

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 and then packaged in a cardboard box.