



XLP Series

Extremely Low Pressure RO Membrane Elements

Description

XLP Series Extremely Low Pressure Industrial RO Membrane Elements adopt a new membrane technology. The industrial RO membrane elements can achieve the same high water flux and high salt rejection rate as conventional low-pressure membranes under extremely low operating pressure conditions. The RO membranes have the characteristics of low energy consumption, stable water production and long membrane element working life. These reverse osmosis membrane elements are suitable for desalination of low-salinity raw water such as surface water, groundwater, and tap water with a salt content of as low as 1000 ppm. The industrial RO elements can be widely used in various scales of pure water preparation, boiler feed water, food processing and other fields.



Features

- The 4040/8040 RO membrane elements are International common sizes
- The salt removal rate of industrial RO membrane elements can reach 98%
- Low energy consumption, stable water production and long life of membrane elements
- This RO membrane elements are suitable for water with a salt content of as low as 1000ppm
- High water production and high salt removal rate under extremely low operating pressure conditions

Specification

Model	XLP-4040	XLP-8040
Effective Membrane Area ft ² (m ²)	90 (8.4)	400 (37.2)
Average Water Production GPD (m ³ /d)	2000 (7.6)	9000 (34.6)
Stabilized Desalination Rate %	98.0	98.0
Minimum Desalination Rate %	97.5	97.5
Membrane Media	Aromatic Polyamide	
Construction	Spiral Wound	
Test Pressure	100psi (0.69Mpa)	
Test Water Temperature	25 °C	
PH Value of Test Solution	7.5	
Test Solution Concentration (NaCl)	500ppm	
Recovery Rate of Single RO Element	15%	

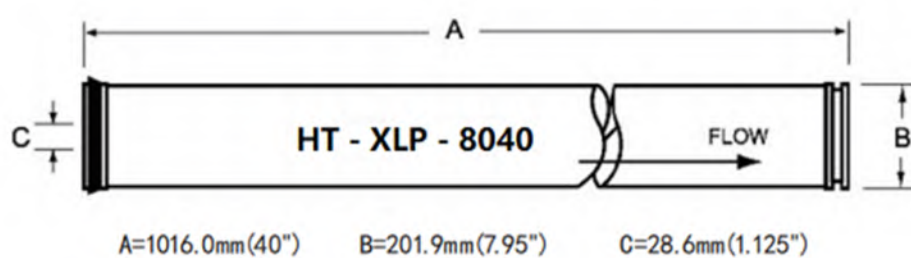
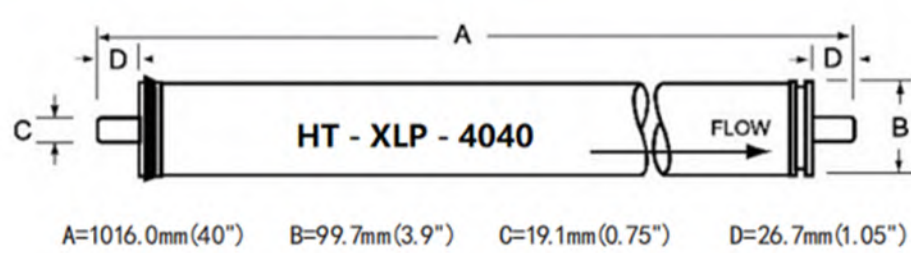
Application

- Pure water system
- Chemical RO filtration
- Desalination of brackish water
- Food and beverage wastewater
- Power plant boiler make-up water

Operation Data

Production floating range	±15%
Maximum feed water temperature	45°C
Maximum feed water SDI15	5
Maximum influent turbidity NTU	1
Maximum residual chlorine concentration	0.1mg/L
Maximum Operating pressure	600psi (4.14Mpa)
Maximum pressure drop of single membrane element	15psi (0.1Mpa)
PH value range of feed water during continuous operation	3~10
PH value range of feed water during chemical cleaning	2 ~12
Maximum feed water flux	3.6m ³ /h (Model: 4040)
	17m ³ /h (Model: 8040)

Tech Support



Order Information

Hongtek	XLP Series Extremely Low Pressure RO Elements	Membrane Element Diameter	Length of Membrane Element
HT	XLP	40 = 4"	40 = 40"
		80 = 8"	

For example:

HT-XLP-8040

Hongtek - XLP Series RO Membrane Element - Diameter: 8" - Length: 40"

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Hongtek Filtration Co., Ltd.

Tel: +86-752-2203959, Fax: +86-752-2203820

Web: www.hongtekfiltration.com, Email: sales@hongtekfiltration.com

Address: T21 Creative Industrial Park, No.21, Yunshan East Rd, Jiangbei, Huizhou, Guangdong, China

