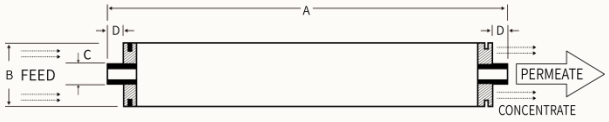
PLUS-4040-LP
Low Pressure Element

Overview

LP low-pressure RO membrane elements target groundwater, surface water, and lightly polluted industrial wastewater. They offer wide adaptability to water quality and operating pressure, and are suitable for ultrapure water in electronics, power plant boiler feedwater, food and beverage, and pharmaceutical applications.



A = 40.0″ (1,016 mm) B = 3.9″ (99 mm)
C = 0.75″ (19 mm) D = 1.05″ (26.7 mm)

Specification

Average Permeate Flow	Stable Salt Reiection	Min. Salt Rejection	Effective Membrane Area	Feed Spacer
10.2 m^3/d (2,700 gpd)	**99.7%**	**99.5%**	**8.7 m^2 (94 ft^2)**	**28 mil**

Test: 2,000 ppm NaCl · 225 psi (1.55 MPa) · 25°C · pH 7–8 · 15% recovery.

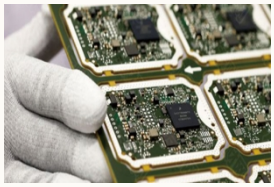
Note: The salt rejection rate generally needs to be tested after 24-48 hours of continuous operation, depending on the feed water quality and operating conditions;
The flow rate of a single membrane element may exhibit fluctuations, but within a range of ±15%.

Max. Operating Conditions

Pressure, psi(MPa)	**600 (4.14)**	Max. pressure drop for single element, psi(MPa)	**15 (0.1)**
Feed water flow, m^3/h	**3.6**	Temperature, °C(°F)	**45(113)**
Feed free chlorine tolerance, mg/l	**<0.1**	Feed Silt Density Index (15 min) SDI_{15}	**5**
pH range during continuously operation	**2-11**	pH range during chemical cleaning	**1-13**

Note 1: When the pH exceeds 10, the maximum temperature for continuous operation is 35°C.
Note 2: Under certain conditions, influent water containing free chlorine and other oxidizing agents can cause serious membrane damage, as oxidative damage is not covered by the product warranty.

Applications


Electronics ultrapure


Power plant


Food & beverage water ent


Pharmaceutical water treatment

whatsAPP

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