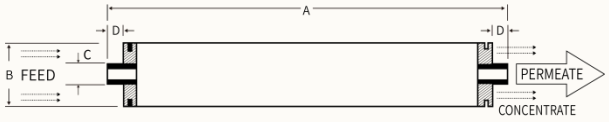
PLUS-4040-FR
Fouling Resistant RO Element

Overview

Haina's enhanced anti-fouling RO membrane elements are engineered with advanced winding technology and reinforced membrane modules. Designed for demanding applications with high biological and organic fouling, this new-generation element delivers consistent desalination performance while significantly reducing energy consumption and operational costs.



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
9.1 m^3/d (2,400 gpd)	**99.7%**	**99.5%**	**8.1 m^2 (87 ft^2)**	**34 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


Municipal wastewater


High-salt


Highly polluted surface ification


Industrial wastewater treatment

whatsAPP

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