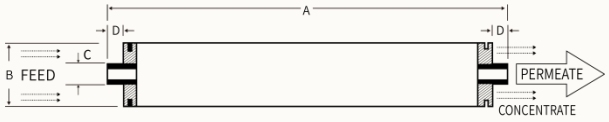
4021-ULP
Commercial Element

Overview

Commercial ro elements are suitable for producing pure and ultrapure water for small-scale direct drinking water systems, community water vending machines, and small-scale beverage and food processing.



A = 21.0″ (533 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
3.6 m^3/d (950 gpd)	99.3%	99%	3.6 m^2 (39 ft^2)	28 mil

Test: 1,500 ppm NaCl · 150 psi (1.0 MPa) · 25°C · pH 7–8 · 8% 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


Public water


Bottled water


Beverage shop water ms


Automated water vending stations

whatsAPP

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HYNAMO