

XLP/ULP Series

Integrated Membrane Module



Innovative Solution for Integrated Membrane Module

- Relying on excellent structural design, the external dimensions are more concise
- Standard water inlet / production interface, universal national standard UPVC pipe fittings
- Membrane / housing"integrated component, quick disassembly and easy installation
- Under pressure of 2.0MPa, meets the demand of low-pressure water purification

A-Type Products

A-type products are similar in external structure to traditional membrane housing

B-Type Products

B-type products refer to the vertical ultrafiltration structure for convenient device production and membrane component installation

Product Features



lower cost

Structural optimization design
Reduce usage costs



Repel the corrupting influence
Completely solve the corrosion problem of stainless steel membrane housing



Easy to install
Simplify installation steps
Reduce construction difficulty



Zero leakage
No rubber seal
Zero leakage point

Applications

- ▶ Preparation of drinking water, such as packaged water, direct drinking water, food processing water, etc.
- ▶ Preparation of purified water, such as pharmaceuticals, medical, electronics, etc.



Electronic Water



Food Processing Water



Packaged and Direct Drinking Water

Integrated Membrane Module

A-Type Products	Rejection Rate (%)	Permeate Flow GPD (m ³ /d)	Active Membrane Area ft ² (m ²)	Spacer Thickness (mil)
XLP11-4040A ¹	99.2	2600(9.8)	100(9.3)	28
ULP21-4040A	99.5	2600(9.8)	100(9.3)	28
ULP31-4040A	99.6	2000(7.6)	100(9.3)	28

B-Type Products	Rejection Rate (%)	Permeate Flow GPD (m ³ /d)	Active Membrane Area ft ² (m ²)	Spacer Thickness (mil)
XLP11-4040B ¹	99.2	2600(9.8)	100(9.3)	28
ULP21-4040B	99.5	2600(9.8)	100(9.3)	28
ULP31-4040B	99.6	2000(7.6)	100(9.3)	28

1. Testing Conditions: ¹Operating pressure 100 psi (0.69 MPa) 500 mg/L NaCl solution Temperature at 25°C pH 7.0 ± 0.5 Recovery rate at 15%
 Operating pressure 150 psi (1.03 MPa) 1500 mg/L NaCl solution Temperature at 25°C pH 7.0 ± 0.5 Recovery rate at 15%

2. Each membrane element may have ±20% variation of permeate flow.

Important information

- Before the membrane element leaves the factory, The dry membrane element has no preservation solution, The wet membrane element has 1.0% sodium bisulfite (in winter, add 10% of propylene glycol antifreeze) as the preservation solution for storage treatment and use vacuum packaging.
- Dry membrane elements should always be maintained wet after Soaking; when wet membrane elements are not used for a long time, preservation solution is needed to soak the elements.
- When the membrane element is used for the first time, it is recommended to flush it first for 15-25 minutes at low pressure (not suitable for soaking or soaking overnight), and then flush it for 60-90 minutes at high pressure (the water flow should not be less than 50% of the system design water flow).
- The permeate water and concentrated water within the first hour of the initial operation of the membrane element should all be discharged.
- The operating limits and operational guidelines given in this technical information are part of the limitations of the three-year warranty on the membrane element.
- The addition of any chemicals that may affect the membrane element during storage and operation is prohibited, and Vontron Technology will not be liable for any consequences arising from the use of such chemicals.
- Please refer to the Product Manual for details on installation, commissioning, storage, and transportation of membrane elements.

External Dimension

