

Product Datasheet

Scinor® Pressurized Ultrafiltration Module Retrofit Series RT-P860D

Product Features

- Superior fiber strength and double-potting allow extreme backwash conditions
- Solvay PVDF and TIPS membrane tolerate pH 1-13 and 5,000 ppm NaClO, ensuring high flux recovery and long service life
- Excellent removal of particles, colloids, bacteria and virus by isotropic microporous fibers protects downstream equipment
- Proprietary permanent hydrophilic-modified fibers guarantee outstanding permeability
- Outside-in PVDF hollow fibers accept a wider range of feed water qualities
- Standard fittings realize easy installation and the direct replacement of DOW SFP-2860

Fiber Specifications

Fiber Material	Polyvinylidene Fluoride (PVDF)
Membrane Technology	TIPS
Membrane Configuration	Hollow Fiber
Nominal Pore Size	0.1 μm
Fiber I.D./O.D.	0.7 mm/1.3 mm

Module Specifications

Flow Configuration	Outside-in
Housing Material	U-PVC/ABS
Potting Material	Epoxy Resin
Sealing Type/Material	O-ring/EPDM
A Port Size	Rp3/8" Female Thread
B/C/D Port Size	ANSI 2" Coupling
Effective Area	51 m^2
Module Volume (Water)	45 L
Weight (Water-filled/Empty)	83/38 kg
Packing Weight	94 kg



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Operational and Application Parameters

Temperature	1~40 °C
Flux	40~120 L/(m ² ·hr)
Backwash Flux	50~120 L/(m ² ·hr)
Air Scour Flow	5~12 Nm ³ /(h·module)
Max. Feed Pressure	0.40 MPa
Max. Backwash Feed Pressure	0.25 MPa
Max. Air Scour Feed Pressure	0.25 MPa
Operating TMP	0.02~0.15 MPa
Max. TMP	0.30 MPa
pH Range (Continuous)	1~11
CIP pH Range	1~13
Max. NaClO	5,000 ppm
Filtered Water Silt Density Index (SDI ₁₅)	≤3.0

Important Information

- Proper start-up is crucial for the normal operation of the product. Users need to calibrate the equipment and instrumentations and check raw water quality before commissioning or restarting after long-term shutdown to ensure all the parameters have reached the predetermined or required level. For further information, please refer to User's Manual.
- The product should not be frozen or exposed to sunlight for long time under any circumstances as it would cause irreversible damage to the product; using anti-freezing solution if necessary to ensure transportation safety in harsh weather conditions. Please find more information on User's Manual.
- Users should follow each step and procedure on User's Manual. Any unauthorized design or improper use without written consent of Scinor Membrane shall void the warranty.
- In the case of poor water quality, the commissioning should start at 50% of the designed capacity for at least 0.5 hours.

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