

Product Datasheet

Scinor® Pressurized Ultrafiltration Module Scinor® SMT600-P50

Product Features

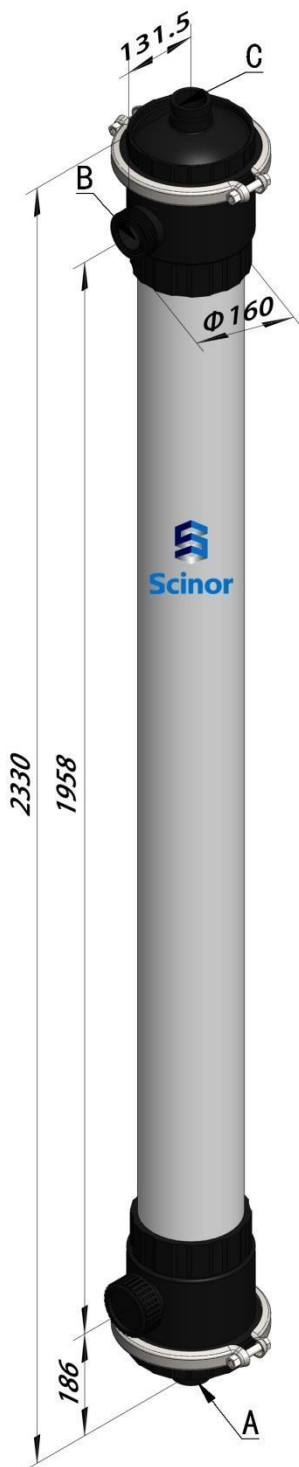
- Superior fiber strength and double-potting allow extreme backwash conditions
- Solvay PVDF and TIPS membrane tolerate pH 1-13 and 5,000 ppm NaClO, ensuring high flux recovery and long service life
- Excellent removal of particles, colloids, bacteria and virus by isotropic microporous fibers protects downstream equipment
- Proprietary permanent hydrophilic-modified fibers guarantee outstanding permeability
- Outside-in PVDF hollow fibers accept a wider range of feed water qualities
- Moderate membrane area and compact design are suitable for many ultrafiltration systems

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/C Port Size	ANSI 2" Coupling
B Port Size	ANSI 1-1/2" Union
Effective Area	50 m^2
Module Volume (Water)	33 L
Weight (Water-filled/Empty)	55/22 kg
Packing Weight	66 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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