

Scinor® Submerged Ultrafiltration Module Scinor® SMT600-S51

Product Features

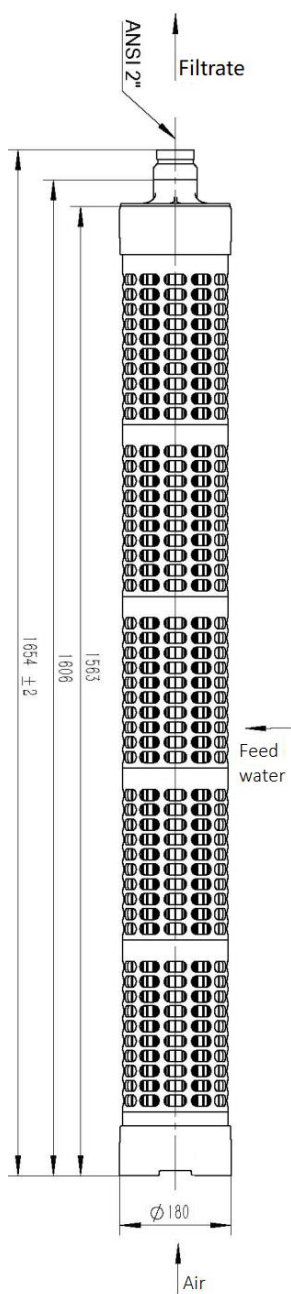
- **Long service life:** TIPS fiber delivers superior performance; double-layer potting is a market-proven reliable technology
- **High permeate quality:** Isotropic microporous structure minimizes fiber breakage
- **Long cleaning cycle:** pH range is broadened to 1-13, NaClO tolerance up to 5000 mg/L
- **Cost-efficient:** Open structure design yields high flux and water recovery with low pretreatment requirements. Hydrophilic modification and low-pressure vacuum filtration reduce energy consumption
- **Highly integrated:** High packing density, over 1000 m²/m², significantly shrinks footprint
- **Easy installation:** Filtrate collection and aeration are integrated in the rack. Suspension installation is easy to assemble and remove

Fiber Specifications

Fiber Material	Polyvinylidene Fluoride (PVDF)
Membrane Technology	TIPS
Membrane Configuration	Hollow Fiber
Nominal Pore Size	0.02 μm
Fiber I.D./O.D.	0.6 mm/1.1 mm

Module Specifications

Part Number	SMT600-S51
Effective Area	51 m ²
Module Dimension	Φ180×1654 mm
Port Size	ANSI 2" Coupling
Header Material	PVC
Potting Material	Polyurethane
Weight (Water-filled/Empty)	37 kg/18 kg
Packing Weight	35 kg



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Operational and Application Parameters

Temperature	1~40 °C
Flux	25~70 L/(m ² ·hr)
Backwash Flux	30~70 L/(m ² ·hr)
Air Scour Flow	6~12 Nm ³ /(h·module)
Operating TMP	≤0.04 MPa
Max. TMP	0.09 MPa
Max. Backwash Pressure	0.12 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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