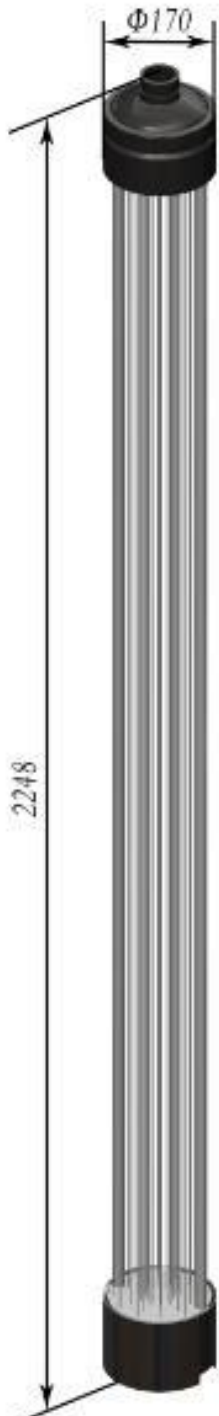


# Product Datasheet

## Scinor® Submerged Ultrafiltration Module Scinor® SMT600-S50

### 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 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	0.1 μm
Fiber I.D./O.D.	0.7 mm/1.3 mm

### Module Specifications

Part Number	SMT600-S50
Effective Area	50 m <sup>2</sup>
Module Dimension	Φ170×2248 mm
Port Size	DN50 Coupling
Header Material	ABS
Potting Material	Polyurethane
Weight (Water-filled/Empty)	30 kg/15 kg
Packing Weight	28 kg

# Product Datasheet

## Scinor® Submerged Ultrafiltration Module Scinor® SMT600-S50

### Operational and Application Parameters

Temperature	1~40 °C
Flux	25~70 L/(m <sup>2</sup> ·hr)
Backwash Flux	30~70 L/(m <sup>2</sup> ·hr)
Air Scour Flow	6~12 Nm <sup>3</sup> /(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 <sub>15</sub> )	≤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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