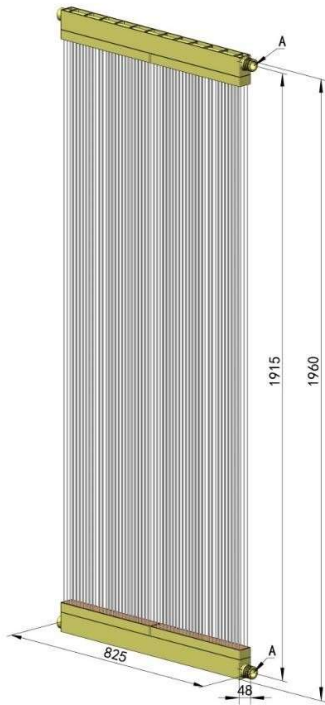


Product Datasheet

Scinor® Membrane Bioreactor Ultrafiltration Module Scinor® SMT600-BM33IDN

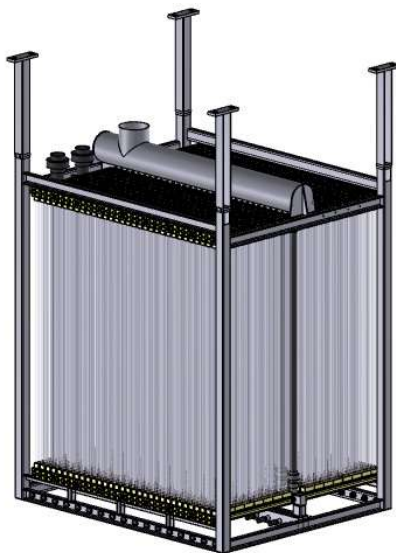
Product Features



- Long service life: TIPS fiber delivers superior performance; double-layer potting makes the product more durable; well-designed alignment reduces sludging
- 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
- Smaller footprint: The packing density, 420 m²/m², is higher than common products, delivering higher flux with fewer fibers
- Low operating cost: Even aeration reduces the energy consumption, improves cleaning efficiencies and extends cleaning intervals
- Easy installation: Aeration and filtrate collection are integrated in the cassette, easy to assemble and remove

Module Specifications

Fiber Material	Polyvinylidene Fluoride (PVDF)
Membrane Technology	TIPS
Membrane Configuration	Hollow Fiber
Nominal Pore Size	0.1 μm
Fiber I.D./O.D.	1.2 mm/1.8 mm
Effective Area	33 m ²
Module Dimension	1960*825*48mm



Cassette Specifications

Part Number	SMT600-BM33-C Series
Cassette Frame Material	316L Stainless Steel
Module Fixed Material	UPVC
Installation	Suspension
Aerator	In Cassette
Collection Pipe	10 Inch
Aeration Pipe	2 × 3 inch

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Scinor® Membrane Bioreactor Ultrafiltration Module Scinor® SMT600-BM33IDN

Operational and Application Parameters

Temperature	5~40 °C
Flux	10~25 L/(m ² ·hr)
Aeration Demand	4~8 Nm ³ /(h·module)
Operating TMP	≤0.03 MPa
Max. TMP	0.055 MPa
pH Range (Continuous)	1~11
CIP pH Range	1~13
Max. NaClO	5,000 ppm
Filtered Water Turbidity	≤0.5 NTU

Important Information

- Fibers are hydrophilic modified and dried before packed. Soak modules in clean water for at least 20 minutes before the mixed liquor containing activated sludge enters the membrane tank. Once in operation, it is prohibited to desiccate the fiber as it shall reduce flux and require recovery remedies.
- Store modules indoor and away from direct sunlight between 5~40°C. Avoid freezing and damp conditions. In the case of welding, fusing or grinding situation, cover with fireproof material to stay away from sparks. Do not place heavy articles on modules or get modules squeezed.
- Keep aerating when modules shut down in activated sludge. To remove modules for storage, clean sludge deposits on membrane surface and then immerse them in 100 ppm sodium hypochlorite solution or higher. Do not expose modules to UV or sunlight for too long, which would accelerate aging process of modules.
- Operating limits and guidelines given in this datasheet should be strictly followed. Any unauthorized design or improper use without written consent of Scinor Membrane shall void the warranty.

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