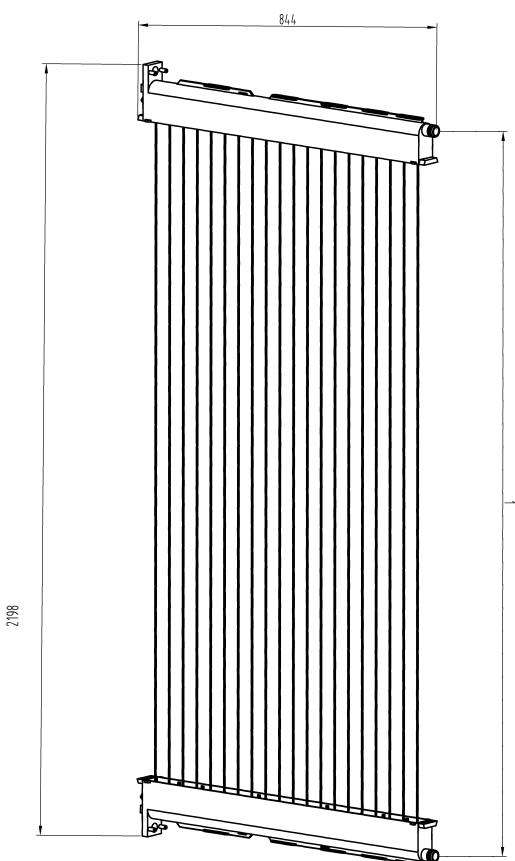


Product Datasheet

Scinor® Membrane Bioreactor Ultrafiltration Module Scinor® RT-BM500G

Product Features

- Long service life: Strong reinforced fiber shows superior strength(high than 600N); double-layer potting makes the product safer; well-designed alignment rejects sludging
- High permeate quality: Special coating technology minimizes fiber breakage
- Smaller footprint: The packing density, $420 \text{ m}^2/\text{m}^2$, 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
- Directly replace the ZW500D membrane module without any modification of the cassette



Module Specifications

Fiber Material	Polyvinylidene Fluoride (PVDF)
Membrane Technology	Coating
Membrane Configuration	Hollow Fiber
Nominal Pore Size	0.04 μm
Fiber Strength	$\geq 600\text{N}$
Fiber I.D./O.D.	0.9 mm/2.0 mm
Effective Area	34.4m^2
Module Dimension	2198*844*49



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Operational and Application Parameters

Temperature	5~40 °C
Concentration of active sludge	3~12 g/L
Maximum air pressure	34 KPa
Operating TMP	-55~55 KPa
Average initial permeability at 20°C and 51 L/h	250 L / (h · m ² · bar)
pH Range (Continuous)	5~9.5
CIP pH Range	2~10.5
Max. CIP NaClO	2,000 ppm
Max. Chlorine Tolerance	742,000 ppm·hr
Filtered Water Turbidity	≤1 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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