

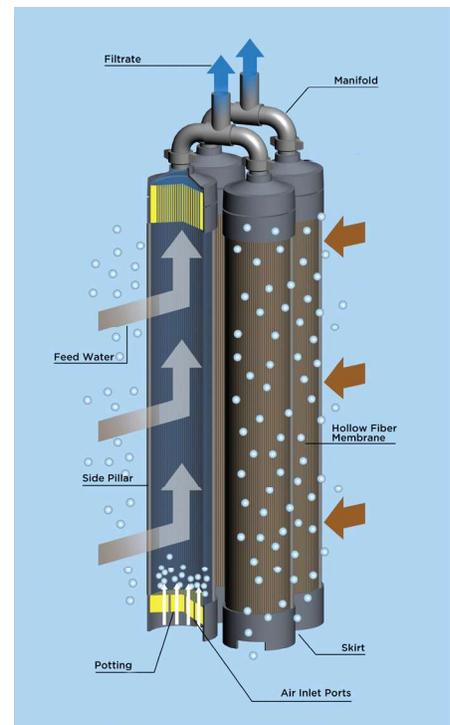
Scinor® SMT600-S30

Submerged Ultrafiltration Module



Scinor SMT600 series ultrafiltration modules utilizing our state-of-the-art Thermally Induced Phase Separation (TIPS) PVDF membranes provide the highest permeability, mechanical strength, and chemical tolerance in the industry. These modules are ideal for use in potable water, wastewater, desalination, and industrial applications. The SMT600-S30 retrofits major membrane vendor installations giving end-users a choice when replacing membranes.

Scinor SMT600-S series submerged ultrafiltration modules are applied in vacuum operation during filtration mode. Due to the membrane's hydrophilic nature and the unique module design, the SMT600-S series can accept a wide-range of even the dirtiest water. To maintain stable operation at the required capacity, backwash with aeration is employed at regular intervals and chemical cleanings are utilized on an infrequent basis.



Product Advantages

Excellent Filtered Water Quality

- Tight 0.1 µm pore size distribution
- Low fiber breakage rate

Long Operational Life

- High mechanical strength and durability
- >5000 mg/L Sodium Hypochlorite tolerance

Low Requirements for Pretreatment

- Open, immersed design

Low Operating and Maintenance Requirements

- Low energy and chemical consumption due to higher permeability
- Automatic operation

Low Capital Cost

- High flux rates on all water sources

Small Footprint

- High hollow-fiber packing density
- Integrated air and hydraulic piping

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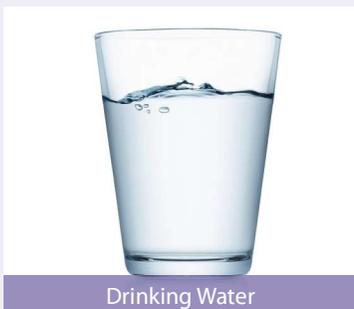
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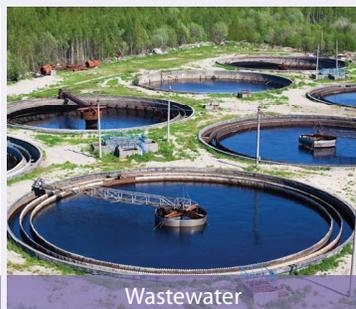


Retrofit modules available for all major membrane suppliers

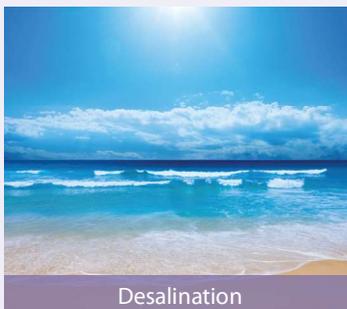
Scinor® Module	Part Number	SMT600-S30
	Fiber Material	Polyvinylidene Fluoride (PVDF)
	Effective Area	323 ft ² (30 m ²)
	Nominal Pore Size	0.1 μm
	Fiber ID/OD	0.7 mm/1.3 mm
	Geometry	Φ 170 mm × 1532 mm
	Port Size	DN50
	Housing/Head Material	ABS
	Potting Material	Epoxy Resin
Operating Parameters	Temperature	33-104° F (1-40 C)
	pH Range	1-11 Continuous
	Max. NaClO	5000 mg/L
	Backwash Flux	18-42 gfd (30-70 l/mh)
	Air Scour Flow	1.9-3.1 scfm (3-5 Nm ³ /hr/module)
	CIP pH Range	1-13
	Operating TMP	≤6 psi (≤0.04 MPa)
	Max. TMP	11 psi (0.075 MPa)
	Max. Backwash Pressure	17.5 psi (0.12 MPa)
Filtered Water Parameters	Turbidity	≤0.1 ntu
	Silt Density Index	≤3
	Bacteria Removal	non-detect



Drinking Water



Wastewater



Desalination



Industrial

ITL:YDR



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