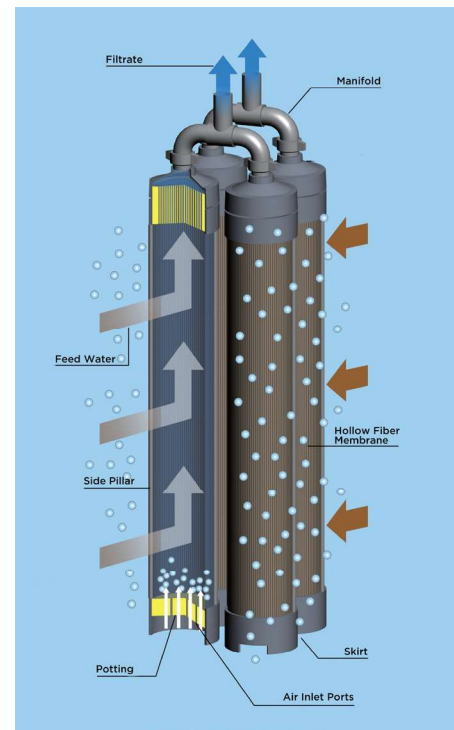


Scinor® SMT600-S60

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-S60 retrofits major membrane vendor installations giving end-users a choice when replacing membranes.

Scinor SMT600 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 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

Retrofit modules available for all major membrane suppliers

Italhydro-Italy

36016, Thiene (VI)
Italy
office@italhydro.com

Please visit italhydro.com for further information.



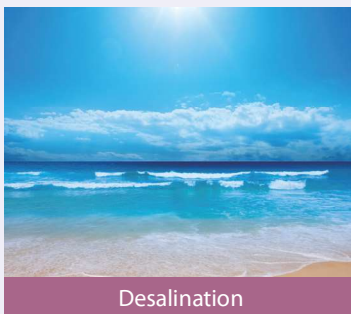
Scinor® Module	Part Number	SMT600-S60
	Fiber Material	Polyvinylidene Fluoride (PVDF)
	Effective Area	646 ft ² (60 m ²)
	Nominal Pore Size	0.1 μm
	Fiber ID/OD	0.6 mm/1.1 mm
	Geometry	Φ 180 mm × 1654 mm
	Port Size	DN50
	Housing/Head Material	PVC
	Potting Material	Polyurethane
Operating Parameters	Temperature	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	2.3-7.0 scfm
	CIP pH Range	1-13
	Operating TMP	≤12 PSI (0.8 MPa)
	Max. TMP	13 psi (0.09 MPa)
Filtered Water Parameters	Max. Backwash Pressure	17.5 psi (0.12 MPa)
	Turbidity	≤0.1 ntu
	Silt Density Index	≤3
	LRV (Log Removal) Rating	>6.19 Log (Crypto); >3.63 Log (Virus)



Drinking Water



Wastewater



Desalination



Industrial