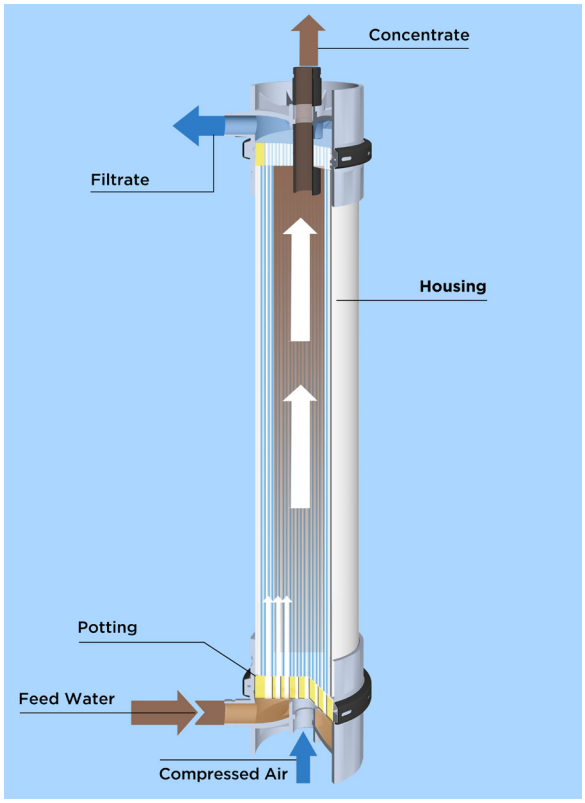
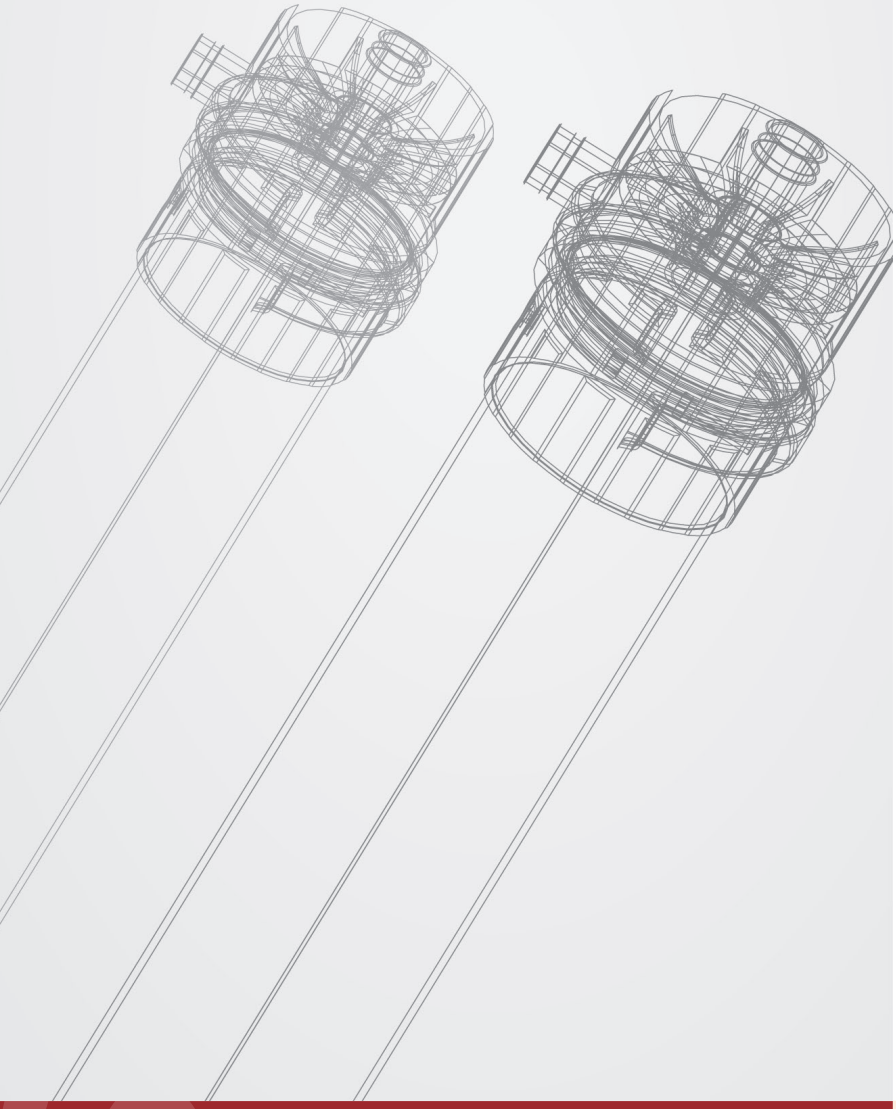
Scinor® SMT600–P51

Pressurized 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-P51 retrofits major membrane vendor installations giving end-users a choice when replacing membranes.

The SMT600-P51 is an outside-in configuration module that operates in dead-end or cross-flow mode depending on specifics of the application. Cleaning processes used are simple backwash, maintenance clean, and Clean-in-Place.





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 Capital Cost
- High flux rates on all water sources

Low Requirements for Pretreatment
- Outside-in configuration
- Optimal flow channel

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

Retrofit modules available for all major membrane suppliers

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Please visit **scinor.com** for further information.

Specifications

Parameters		
Scinor® Module	Part Number	SMT600-P51
	Fiber Material	Polyvinylidene Fluoride (PVDF)
	Effective Area	548 ft^2 (51 m^2)
	Nominal Pore Size	0.1 μm
	Fiber ID/OD	0.7 mm/1.3 mm
	Geometry	Φ225 mm × 1860 mm
	Port Size	DN50
	Housing/Head Material	U-PVC/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	30-70 gfd (50-120 lmh)
	Air Scour Flow	3.1-7.5 scfm/module (5-12 Nm^3/hr/module)
	CIP pH Range	1-13
	Max. Feed Pressure	60 psi (0.4 MPa)
	Max. TMP	45 psi (0.3 MPa)
	Operating TMP	3-22 psi (0.02-0.15 MPa)
	Max. Air Scour Pressure	36 psi (0.25 MPa)
	Max. Backwash Pressure	36 psi (0.25 MPa)
Filtered Water Performance	Turbidity	≤0.1 ntu
	Silt Density Index	≤3
	E.Coli Removal	non-detect


Drinking Water


Wastewater


Desalination


Industrial

Scinor