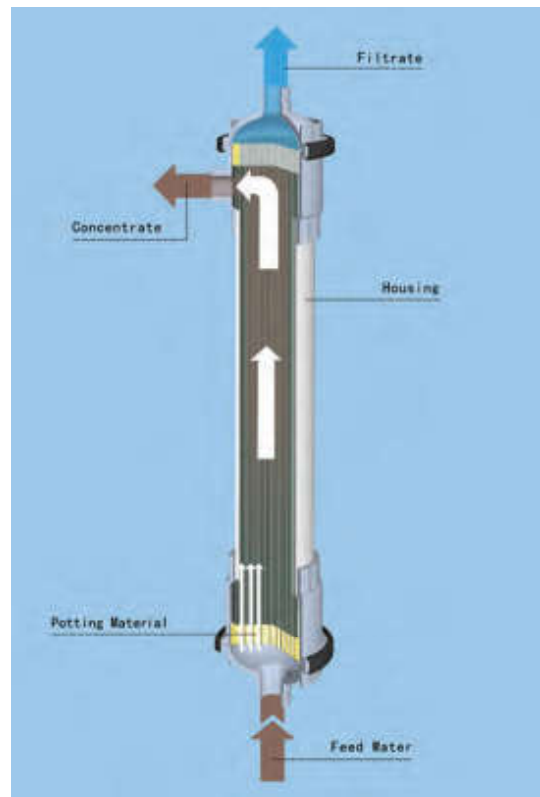
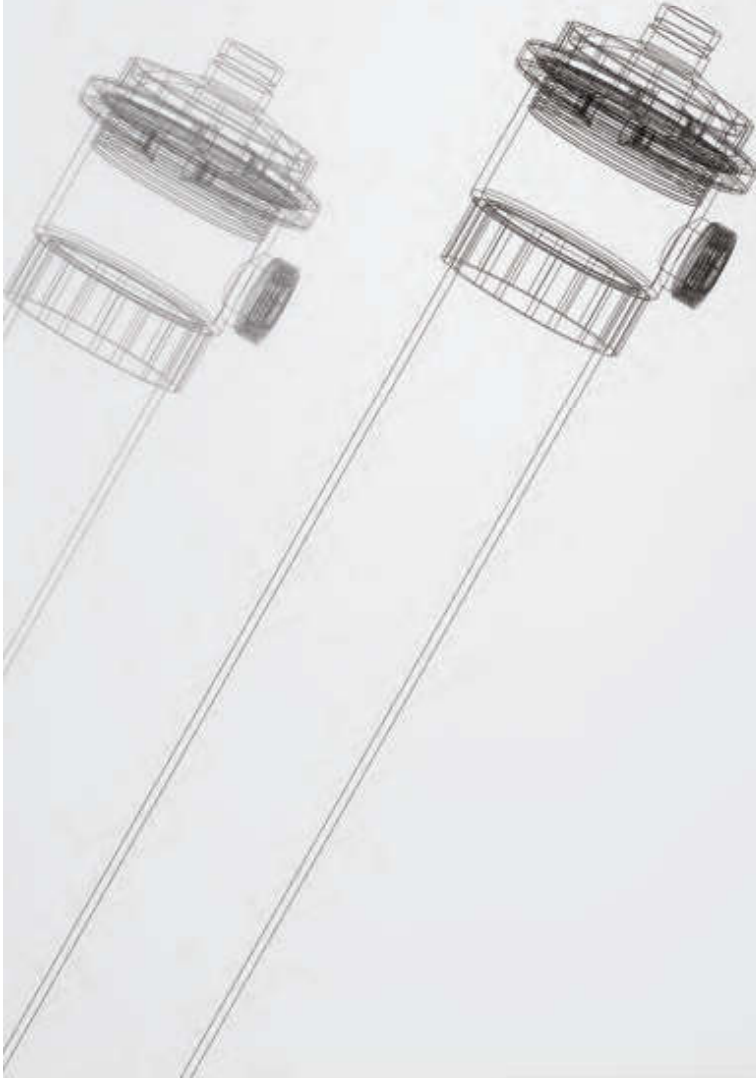


Scinor® SMT600-P40/50

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-P40/50 retrofits major membrane vendor installations giving end-users a choice when replacing membranes.

The SMT600-P40/50 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

Products Overview

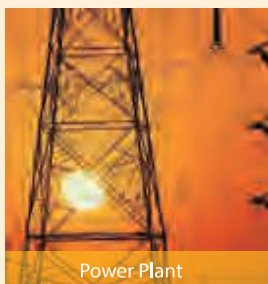
Module Type	Effective Surface Area
Scinor® SMT600 - P40	430 ft ² (40 m ²)
Scinor® SMT600 - P50	538 ft ² (50 m ²)

Please visit our website: www.scinormem.com to get further information

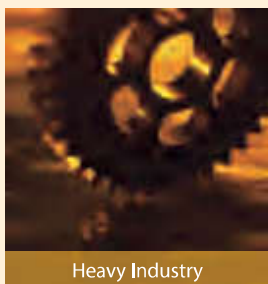


Specifications

Scinor® Module	Module Type	SMT600 - P40	SMT600 - P50
	Materials	Polyvinylidene Fluoride (PVDF)	
	Effective Area	430 ft ² (40 m ²)	538 ft ² (50 m ²)
	Nominal Pore Size	0.1 μ m	
	Fiber ID/OD	0.7 mm/1.3 mm	
Module Size	Geometry	Φ 160 mm × 1804 mm	Φ 160 mm × 2330 mm
	Port Size	DN32	ANSI 2", Side ANSI 1-1/2"
Materials	Housing	U - PVC /ABS	
	Potting	Epoxy Resin	
Operating Conditions			
Operating Parameters	Temperature	33 -104 °F (1- 40 °C)	
	pH Range	1-11 Continuous	
	Max. NaClO	5000 mg/L	
	Operating Flux	24 - 70 gfd (40 -120 LMH)	
	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	58 psi (0.4 Mpa)	
	Operating TMP	2.9 - 21.8 psi (0.02 - 0.15MPa)	
	Max. TMP	43.5 psi (0.3 MPa)	
	Max. Air Scour Feed Pressure	36.3 psi (0.25 MPa)	
	Max. Backwash Feed Pressure	36.3 psi (0.25 MPa)	
Filtered Water Parameters	Turbidity	≤ 0.1 ntu	
	Silt Density Index	≤ 3	



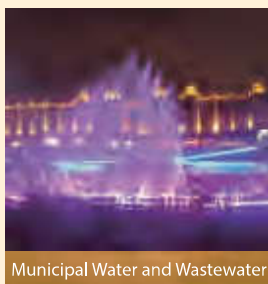
Power Plant



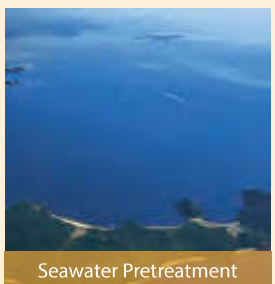
Heavy Industry



Chemical Plants



Municipal Water and Wastewater



Seawater Pretreatment