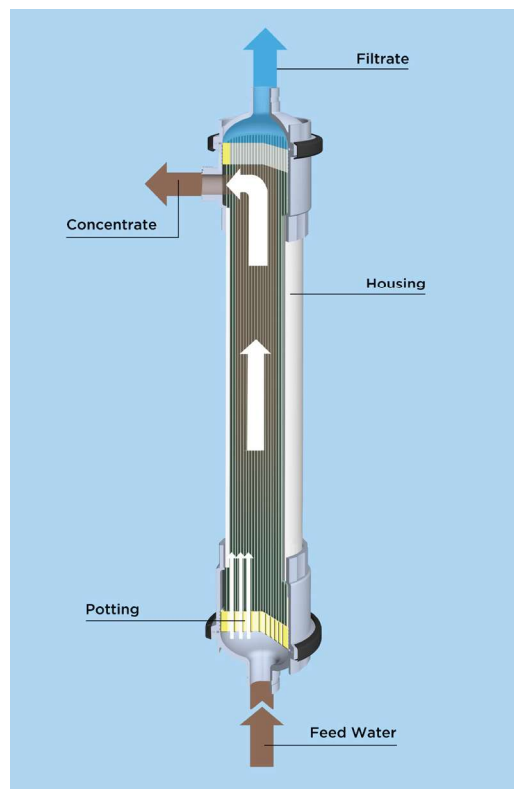
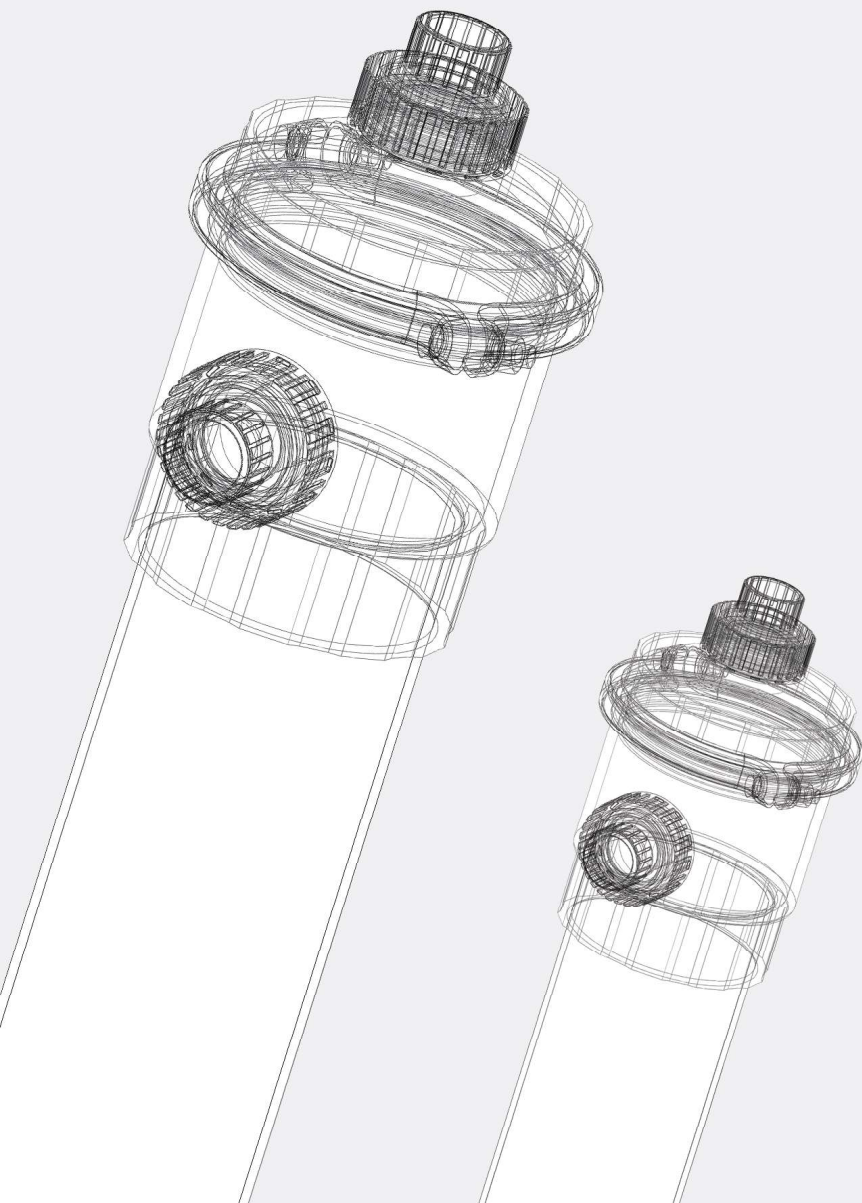


Scinor® SMT600-P40

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

The SMT600-P40 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

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Please visit italhydro.com for further information.



Retrofit modules available for all major membrane suppliers

Specifications

Parameters

Module Specifications	Part Number	SMT600-P40
	Category	Hollow Fiber/Outside-In
	Material	PVDF
	Manufacturing Process	TIPS
	Nominal Pore Size	0.1 μ m
	I.D./O.D.	0.7 mm/1.3mm
	Geometry	160mm x 1804mm
	Housing/Head Material	U-PVC/ABS
	Potting Material	Epoxy Resin
	Sealing Type	O-Ring/EPDM
	A/B/C Port Size	DN32, Union
	Effective Area	431 ft ² (40 m ²)
	Module Volume (Water)	6.6 gallons (25 Liters)
	Weight (With Water/Empty)	97/42 lb (44/19 kg)
	Packing Weight	82 lb (37 kg)
Application & Operating Parameters	Temperature Range	33 – 104F (1-40 °C)
	pH Range During Operation	1-11
	Max NaClO Tolerance	5,000 ppm
	CIP pH Range	1-13
	Typical Flux	20–120 gfd (34-200 l/mh)
	Typical Trans-Membrane Pressure	3–22 psi (0.02-0.15 Mpa)
	Typical Backwash Flux	30-70 gfd (50-120 l/mh)
	Typical Air Scour Capacity	3.1-7.5 scfm (5-12 Nm ³ /h) module
	Max Air Inlet Pressure	36 psi (0.25 Mpa)
	Max Feed Pressure	58 psi (0.4 Mpa)
	Max Trans-Membrane Pressure	44 psi (0.3 Mpa)
	Max Backwash Pressure	36 psi (0.25 Mpa)
	Typical Filtered Water Capacity	5.9-35.2 gpm/module
Filtered Water Performance	Turbidity	\leq 0.1 NTU
	Silt Density Index	\leq 3
	E. Coli Removal	non-detect