ITALHYDRO

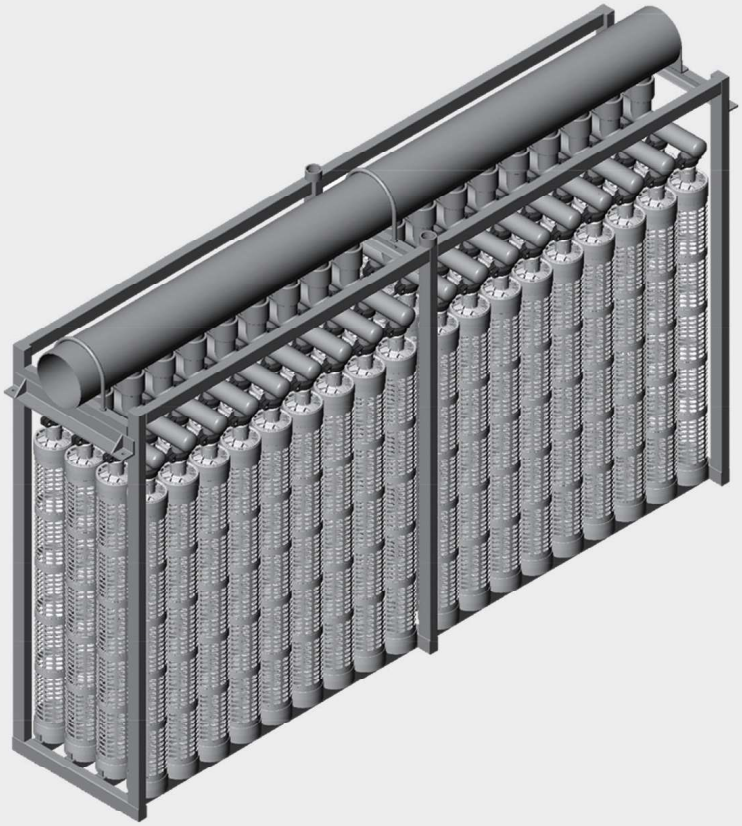
Scinor Membrane Technology

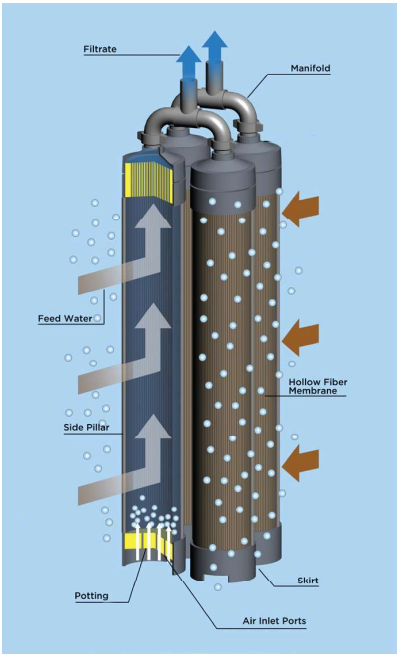
Scinor®
SMT600 Cassette System

Direct Retrofits for 500 & 1000 Series Systems

Scinor SMT600 Cassettes 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 Cassette retrofits major membrane vendor installations giving end-users a choice when replacing membranes.

Scinor SMT600 Cassettes are applied in vacuum operation during filtration mode. Due to the membrane's hydrophilic nature and the unique design, the SMT600 Cassette 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
- >3.5 log virus removal and >6 log crypto removal

Low Fiber Breakage Rate

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

Integrity Testable Up to 25 psi

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

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

NSF Certified to NSF/ANSI 419

NSF Certified to NSF/ANSI 61

SYSTEM CERTIFICATION ISO 9001 SGS

SYSTEM CERTIFICATION ISO 14001 SGS

Specifications

Parameters

Scinor 500 Series Retrofit (Non-MBR)	60M-500	32M-500	32M-500s	16M-500s
Module Membrane Area (m^2)	60	60	48	48
Modules per Cassette	60	32	32	16
Max. Membrane Area (m^2)	3600	1920	1536	768
L/mm (in.)	2110 (83.1)	1744 (68.7)	1744 (68.7)	980 (38.5)
W/mm (in.)	1740 (68.5)	770 (30.3)	770 (30.3)	770 (30.3)
H/mm (in.)	2250 (88.6)	2250 (88.6)	1975 (77.7)	1975 (77.7)
Permeate Port	8 Inch	2x4 Inch	2x4 Inch	3 Inch
Aeration Air Port	2x3 Inch	3 Inch	3 Inch	2 Inch

Scinor 1000 Series Retrofit	72M-1000	72M-1000s	44M-1000	44M-1000s
Module Membrane Area (m^2)	60	48	60	48
Modules per Cassette	72	72	44	44
Max. Membrane Area (m^2)	4320	3456	2640	2112
L/mm (in.)	3760 (148.0)	3760 (148.0)	2430 (95.7)	2430 (95.7)
W/mm (in.)	770 (30.3)	770 (30.3)	770 (30.3)	770 (30.3)
H/mm (in.)	2212 (87.1)	1935 (76.2)	2212 (87.1)	1935 (76.2)
Permeate Port	10 Inch	10 Inch	10 Inch	10 Inch
Aeration Air Port	2x2 Inch	2x2 Inch	2x2 Inch	2x2 Inch

Cassette sizing may vary based on application. Additional sizes are available.


Municipal Wastewater


Industrial Wastewater


Drinking Water

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