

Scinor® Pressurized Ultrafiltration Module Scinor® SMT600-P50

Product Features & Benefits

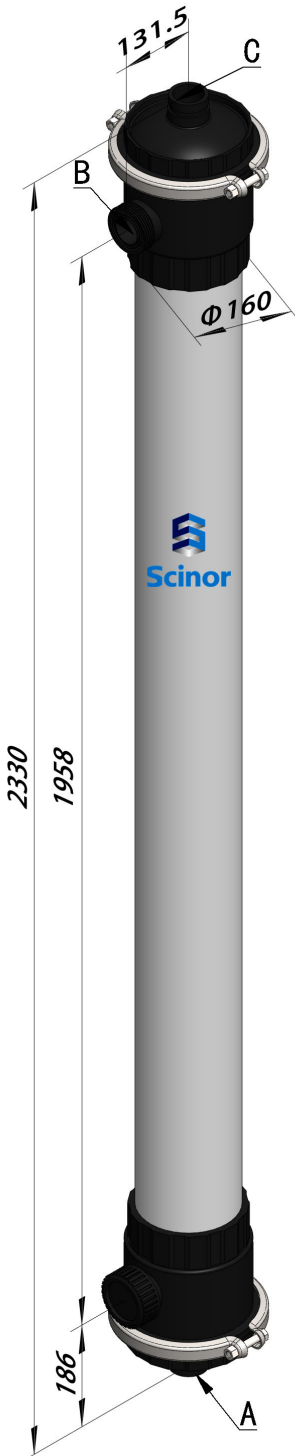
- The characters of ≥ 5 N of mechanical strength and double potting ensures a variety of extreme physical cleaning to result in high system recovery and low OPEX.
- Allowed extreme pH range (1-13) & 5,000 mg/l of chlorine ensures high restorability and long-operating life
- 0.1 μ m nominal pore size distributed in uniform and homogeneous fiber ensures high rejection on particles, bacteria, colloid & virus for protecting downstream.
- Innovation of permanent hydrophilic technology ensures outstanding characters of high permeatability
- Outside-In configuration packed with advanced PVDF hollow capillary fiber ensures to accommodate to wider feed water quality
- Not only standard fitting enhance facility on installation, but more less works when replace to UNA-620A

Capillary Fiber Specifications

Category	Hollow Fiber/Outside-In
Made by Process	TIPS
Materials	PVDF
Nominal Pore Size	0.1 μ m
I.D/O.D	0.7 mm/1.3mm
Burst Pressure	1.6 MPa

Modules Specifications

Housing Materials	Housing Materials
Potting Materials	Potting Materials
Flow Configuration	Outside-In
Sealing Type	O-Ring/EPDM
A/C Port Size	DN50, Coupling
B Port Size	DN40, Union
Packed area	50 m^2
Module Volume (Water)	33 Liter
Weight (With Water/Empty)	55/22 Kilogram
Packing Weight	45 Kilogram
Pressure tolerance	0.6 MPa



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Scinor[®] Pressurized Ultrafiltration Module **Scinor[®] SMT600-P50**

Applications & Operating Parameters

Temperature	1~40℃
pH range during operating	1~11
Max. Chlorine Tolerance	5,000 mg/L
pH Range during CIP	1~13
Typical Flux	40~120 L/(m ² .hr)
Typical Tran-membrane Pressure	0.02~0.15 Mpa
Typical Backwash Flux	50~120 L/(m ² .hr)
Typical Air Scour Capacity	5~12 Nm ³ /(h.module)
Max. Air Scour Feed Pressure	0.25 Mpa
Max. Feed Pressure	0.4 Mpa
Max. Trans-membrane Pressure	0.3 Mpa
Max. Backwash Pressure	0.25 Mpa
Typical Filtered Capacity	2.0 ~ 6.0 m ³ /(h.module)
Filtered Water Turbidity	≤ 0.1 NTU
Filtered Water SDI ₁₅	≤ 3.0
E.Coli Removal	No Detected per 100ml sampling
Total Bacterial Count	<3 (CFU/ml)

Important Information

- Proper Start-up is essential to maintain high performance for UF system and to prevent membrane damage. Before commissioning or restart after long-term shutdown, installation of the modules, Pretreatment, instrument calibration and other system checks should be processed and calibrated. Please refer to the product technical manual.
- Module to be freeze & exposed on sunshine shall cause irreversible damage, please refer to product technical manual or inform us to get proper measures for storage and transportation if in particular area or conditions.
- Assembly and operating of UF system should be strictly followed with product technical manual and this bulletin, Any break of limitation will cause the limited warranty (Doc No. BSF-WA03-REV0/04) will be null and void.
- When initiate start-up, operating capacity shall be increase up slowly in order to accommodate to the feed & prevent from any abrupt pressure. To target 50% of design capacity at beginning of 2-24 hours is recommended, especially on wastewater application.

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