

**TECHNICAL DATASHEET**

**FEATURES**

- Hydrophilic membrane material with high permeability.
- Exceptional membrane mechanical strength.
- Excellent chemical resistance and tolerance.
- Consistent, high quality filtrate quality.
- Easy maintenance.

**APPLICATIONS**

- Ground/ well and surface water treatment
- Desalination
- RO Pre-treatment
- Municipal/ Tap water purification
- Municipal & Industrial Wastewater Recycling



**TECHNICAL SPECIFICATIONS**

**Membrane**

Feature	Unit	Specification
Material	-	Polyvinylidene Fluoride (PVDF)
Pore Size	µm	0.025
Outer/ Inner Diameter	mm	1.30/ 0.70
pH Tolerance (Operation/ Cleaning)	-	2 – 11/ 1 – 12
Temperature Tolerance	°C	5 – 40
Bacteria Removal	%	99.9999
Tensile Load	N	5

**Module**

Feature	Unit	Specification
Overall Dimension (Diameter x Length)	mm	344 x 2,340
Membrane Area	m <sup>2</sup>	60
Feed Connection Port Size (Type)	inch	1.5 (FNPT)
Concentrate Connection Port Size (Type)	inch	1.5 (FNPT)
Filtrate Connection Port Size (Type)	inch	1.5 (FNPT)
Dry/ Wet Weight	kg	60/ 100
Potting Material	-	Epoxy/ PU

## Operational Information

Feature	Unit	Specification
Filtration Mode	-	Outside-In
Operation Mode	-	Cross-Flow/ Dead-End
Max Feed Pressure	bar	2.5
Max Transmembrane Pressure (TMP)	bar	2.0
Max Backwash Pressure	bar	2.0
Typical Flux Rates	LMH	60 – 120*
Physical Cleaning Frequency	mins	30 – 120*
Chemical Cleaning Frequency	days	5 – 30*

\* Depending on UF Feed Water Quality and Onsite Conditions.



## Module Parts

Item No.1	Item Name	Material
1	End Cap	uPVC
2	End Cap O-Rings	EPDM
3	Clamp	POM
4	Concentrate Chamber	uPVC
5	Module Housing	uPVC
6	Locating Base	ABS



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