

# TW Ultrafiltration Membranes STREAM series





## Membranes Made in India for India

Ultrafiltration (UF) is a pressure-driven membrane based separation process to remove suspended solids, bacteria, viruses, endotoxins and other pathogens to produce water with very high purity and low silt density.

### Merits of The way UF Membranes

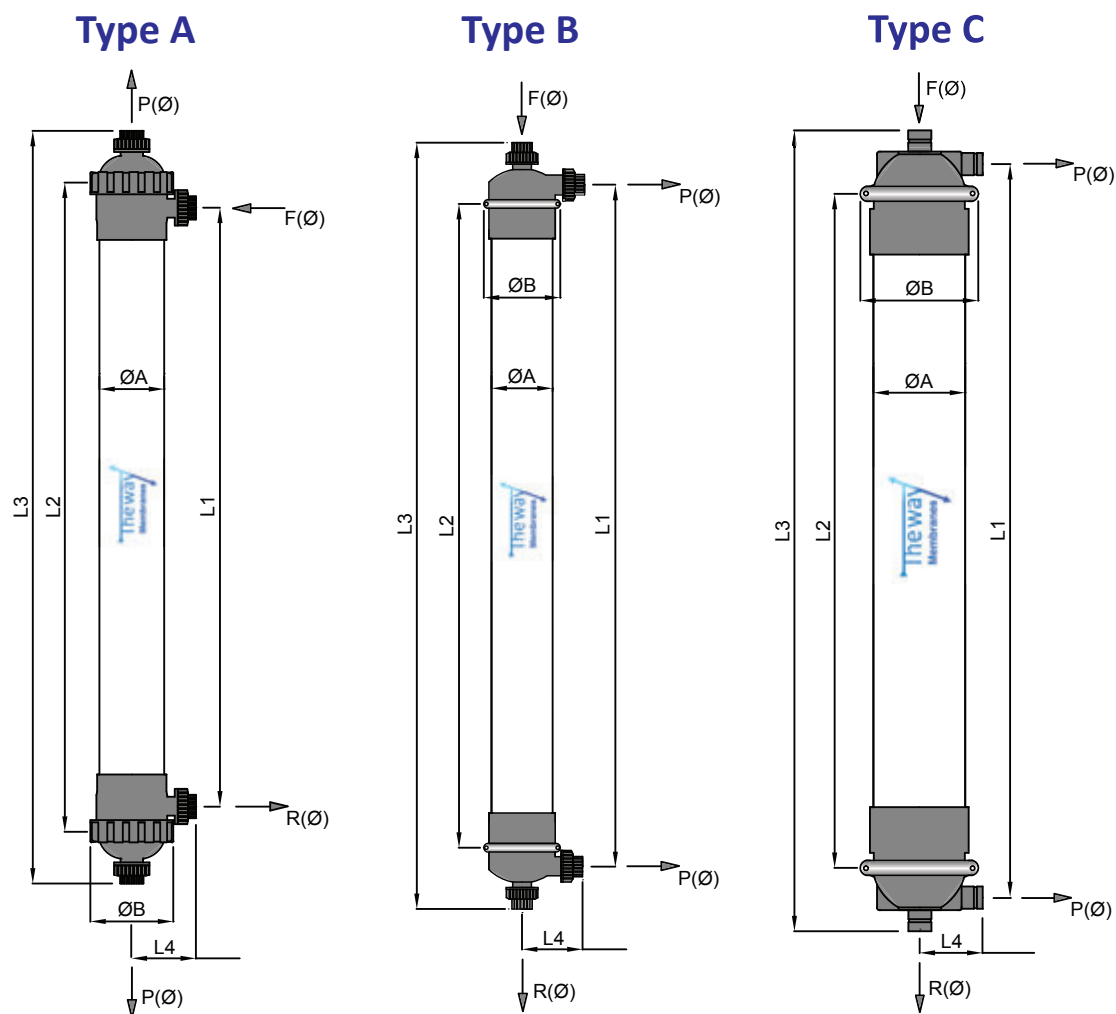
- Increased flux
- Increased Hydrophilicity
- Exceptional service life
- Higher resistance to fouling
- Higher resistance to scaling
- Lower pressure requirement
- Wide range of MWCOs
- Superior mechanical strength
- Finer and sharper pore size distribution
- Premium chemical resistance

### Why The way membranes?

- Made in India
- Ready availability
- Excellent after sales service and support
- Customisable membranes to replace existing membranes (One-to-one replacement possible)
- Over 300 existing satisfied customers
- Unrivalled pricing



 [mail@thewaymembranes.com](mailto:mail@thewaymembranes.com)  
 +91 73974 98660 / +91 73974 98658  
 +91 98407 60857 / +91 44 48502060  
 No.29, Yadaval Street, SIDCO Indl. Estate,  
Ambattur, Chennai 600 098, India



Model No. STREAM Series	Membrane Area (m <sup>2</sup> )	Type	ØA (mm)	ØB (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	Feed (ØF) (mm)	Permeate (ØP) (mm)	Reject (ØR) (mm)
TW90/1100	8	A	90	114	1020	1100	1224	113	32	32	32
TW90/1650	12		90	114	1570	1650	1774	113	32	32	32
TW160/1100	20	B	160	234	1188	1100	1412	157	40	40	40
TW160/1650	35		160	234	1738	1650	1962	157	40	40	40
TW200/1100	40	A	200	240	956	1100	1370	186	50	50	50
TW200/1650	60		200	240	1506	1650	1920	186	50	50	50
TW250/1100	55	C	250	337	1224	1100	1414	174	60	60	60
TW250/1650	80		250	337	1774	1650	1964	174	60	60	60
TW315/1100	95	C	315	370	1266	1100	1490	230	75	75	75
TW315/1650	145		315	370	1816	1650	2040	230	75	75	75





## Operating and Performance characteristics

Operating pressure, bar	< 3
Trans-membrane pressure, bar	~ 2
Operating pH	1 to 13
Operating temperature, °C	20 to 70
Filtration mode	Cross flow
Filtrate flux, L/m <sup>2</sup> /h	50 to 100

## Membrane characteristics

Potting Material	Epoxy resin
Module Preservation	Wet
Material of construction (module)	uPVC

## Module information

Membrane Type	Hollow Fiber
Membrane Polymer	PES(Standard)/PVDF/PS
Molecular Weight Cut-Off , Kda	100(Standard)/67/50/20
Size of fiber, mm	1.4 OD x 0.8 ID

## Operation philosophy

Filtration period, min	15 – 60
Backwash time, sec	20 – 60
Backwash interval, min	15 – 60
Flushing time, sec	20 – 60
Flushing interval, min	15 – 60
Chemical cleaning interval, day	1
Chemical cleaning time, min	1 min CEB1 15 mins choking 1 min CEB2 15 mins flushing

## Backwash information

Backwash flux, L/m <sup>2</sup> /h	100 to 300
Backwash pressure, bar	2 maximum

## Optional

Air scouring	0.1 - 0.15 m <sup>3</sup> /hr/m <sup>2</sup> membrane area
--------------	--