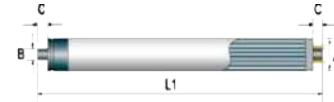
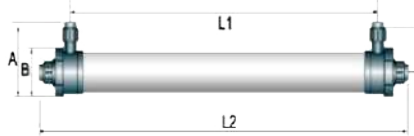

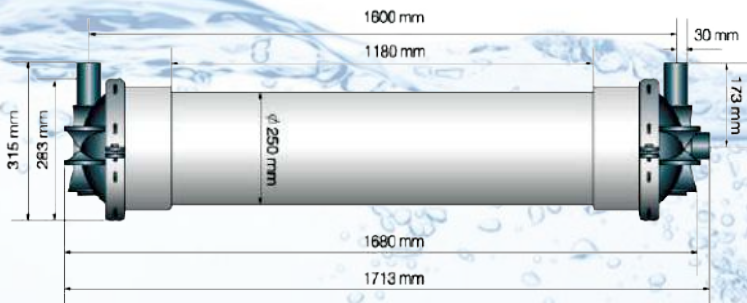


## HOLLOW FIBER ULTRAFILTRATION (UF) MEMBRANE

Pureline Hollow Fiber is a Hydrphilic PVC based membrane, which has high fouling resistant characteristics. Pureline has implied a sponge-like structure so that the hollow fiber membrane shows a high tensile strength and long durability. The pore gets bigger from the feed side to the permeate, making the membrane resistance at minimum levels while causing the membrane to have a high velocity of filtering. Membrane thickness, which remains constant in all direction, has a high pressure resistance. The slick membrane surface not only has a high fouling resistance, but also effectively removes microorganisms & suspended solids.



Model		Dimension (mm)
UF 4040		A 101 B 19 C 27 L1 1016
UF 4046		A 169 B 113 C 112.5 L1 965 L2 1155
UF 8060B		A 302 B 237 C 183.5 L1 1020 L2 1415
UF 1060-40		

MODEL	UF4040	UF4046	UF 8060B	UF 1060-40
Component Norminal Area (m <sup>2</sup> )	4	4.5	25	40
Design flow	600---1000 (L/h)	600---1200 (L/h)	2000---3000 (L/h)	3000---5000 (L/h)
Maximum flow	2000 (L/h)	2500 (L/h)	5000 (L/h)	10000 (L/h)

## HOLLOW FIBER ULTRAFILTRATION (UF) MEMBRANE

### TECHNICAL SPECIFICATION

SPECIFICATION & MATERIAL	
Configuration	Inside - Out
Type of Membrane	Hollow Fiber
Housing & Seal Material	PVC (Polyvinyl Chloride), Ethoxyline
Membrane Material & type	Modified PAN, Internal Pressure Structure
Nominal Micron Rating	0.01um

APPLICATION DATA	
Typical Filtration Flux Range	60 - 200 (l/m <sup>2</sup> /hr )
pH Range	2 - 13
Operation Mode	Dead End or Cross Flow
Operating Temperature	5 - 45°C
Inner & Outer Diameter	1.0/1.6 (mm)
Maximum - Feed Pressure	4.5 bar
Maximum - Transmembrane Pressure	1.5 bar

DESIGN PROCESS CONDITION	
Maximum Inlet Turbidity	100 NTU
Backwash Flux	120 - 130 (l/m <sup>2</sup> /hr)
Backwash Pressure	2.0 bar
Backwash Frequency	On Every 30 - 60 min
Backwash Duration	30 - 60 second
Chemical Cleaning Frequency	30 - 60 days
Chemical Cleaning Duration	10 - 30 min
Disinfection Chemicals	NaOCl / H <sub>2</sub> O <sub>2</sub>
Cleaning Chemicals	NaOH / HCl / Citric Acid