



redefining ultrafiltration



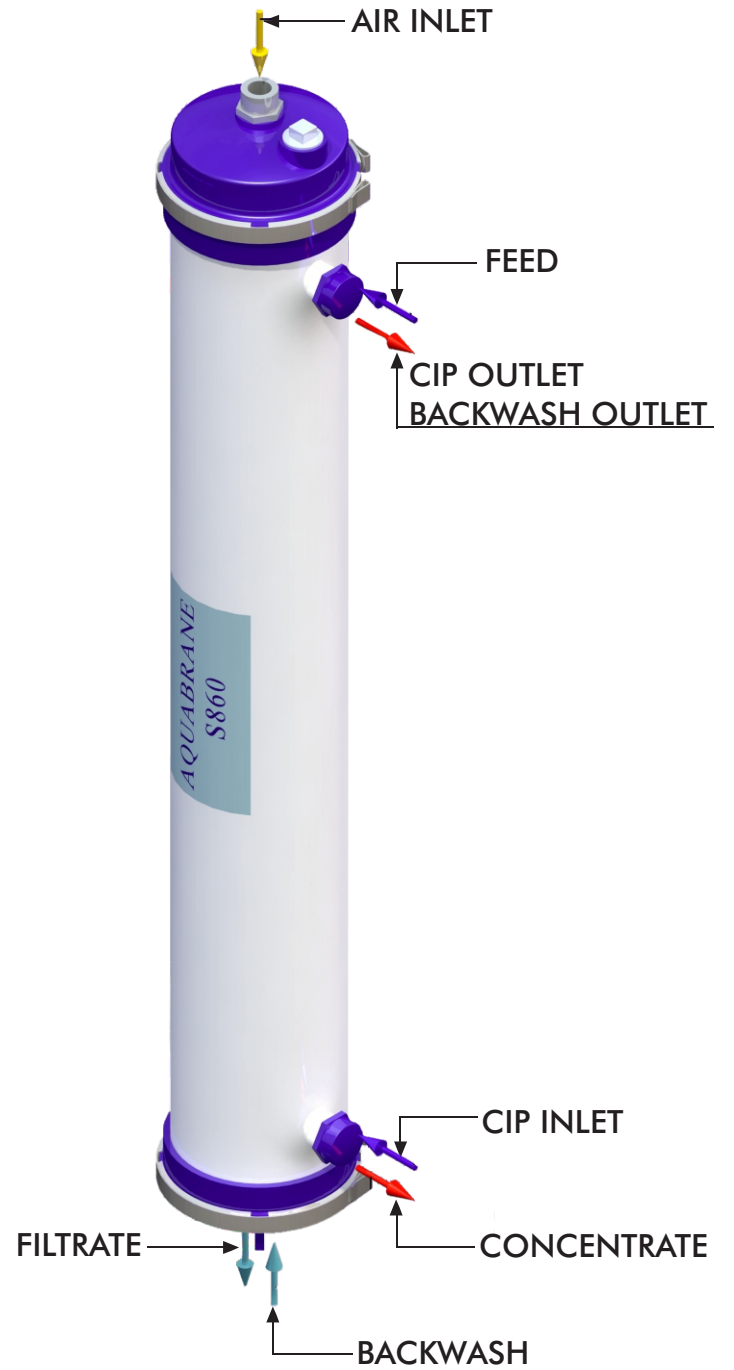
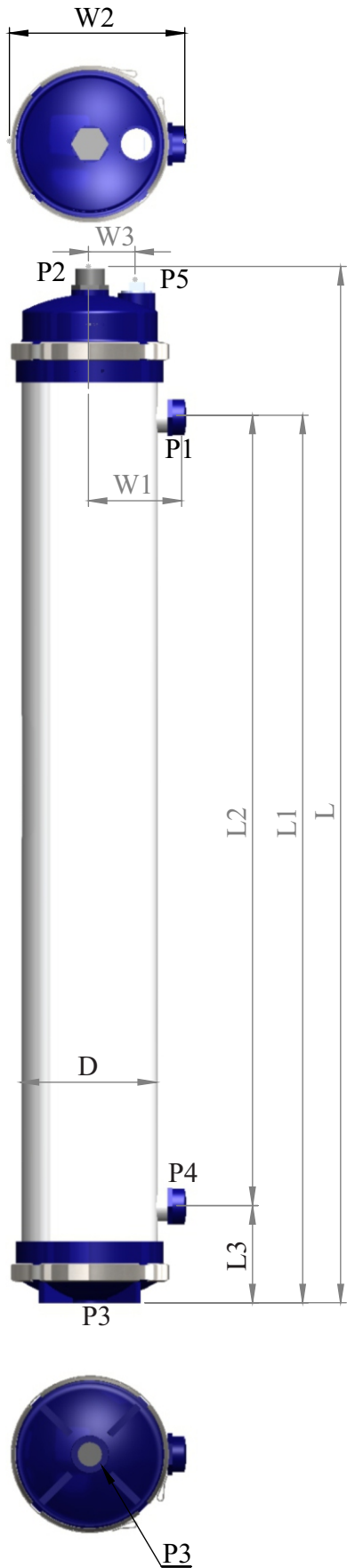
Product Data Sheet

Model					S 860	S 830	S 430
Membrane Specification	Membrane Material	Modified PES					
	Surface Properties	Hydrophilic					
	Fiber ID	1.2 mm					
	Fiber OD	2 mm					
	Wall Thickness	0.4 mm					
	Membrane Area (m²)	40			20	6	
	Pore Size	0.03 µm					
Module Characteristics	Membrane Material	Modified PES					
	Housing Material	UPVC					
	End Cap Material	Glass Filled ABS			UPVC		
	Nozzle Size	1.5"NPT			0.5/0.75"NPT		
	Potting Material	Aquabrane Proprietary Potting Compound					
	Weight (Empty / water filled) - Kgs	35/40			23/27	6/7.5	
Operating Parameters	Flow Path	Outside - In					
	Operating Mode	Dead End or Cross Flow					
	Clean Water Flux at 20 Deg. Cel.	125 LMH					
	Maximum Feed Pressure	1.5 bar (22 psi)					
	Transmembrane Pressure (TMP)	0.55 - 0.83 bar (8 - 12 psi)					
	pH - Continuous Operation	3 - 9					
	pH - Cleaning	2 - 11					
	Temperature	0 - 45°C					
	Chlorine Tolerance	100000 ppm hrs					
	Maximum Feed TSS	100 mg/L					
	Maximum Feed Turbidity	150 NTU					
	Maximum Total Oil & Grease	< 1 PPM					
	Maximum NaOCl - Continuous	20 PPM					
	Backwash Flux Range	Greater of 1.5 times Constant Flux or 3m3/hr	Greater of 1.5 times Constant Flux or 1.5 m3/hr	Greater of 1.5 times Constant Flux or 0.5 m3/hr			
	Backwash Feed Pressure	1 - 1.4 bar (14 - 20 psi)					
	Backwash Frequency & duration	Depending upon feed water quality, backwash to be carried out with 20 ppm NaOCl at an interval of 20 - 60 mins or 20% Increase in TMP, whichever is earlier for 30 - 60 seconds. However 1 backwash with 200 ppm NaOCl must be carried out once a day.					
	Forward Flush	60 Sec forward flush is recommended once in 12 hours for fresh water & once In 6 hours for waste water & sea water.					
	Air Scouring - Pressure	0.55 - 1 bar (8 - 15 psi)					
	Air Scouring - Volume	7 Nm3/hr	3.6 Nm3/hr	1.75 Nm3/hr			
	Air Scouring - Duration	30 Secs + Backwash time					
	Maximum NaOCl during Cleaning	1000 ppm					

Module Properties	Model		
	S860	S830	S430
L(mm)	1667	1030	918
L1(mm)	1428	791	760
L2(mm)	1271	635	640
L3(mm)	156	156	120
D(mm)	219	219	114
P1(ϕ inch)	1 1/2" MNPT	1 1/2" MNPT	3/4" MNPT
P2(ϕ inch)	1 1/2" MNPT	1 1/2" MNPT	3/4" MNPT
P3(ϕ inch)	1 1/2" FNPT	1 1/2" FNPT	3/4" MNPT
P4(ϕ inch)	1 1/2" MNPT	1 1/2" MNPT	3/4" MNPT
P5(ϕ inch)	1 1/2" FNPT	1 1/2" FNPT	3/4" MNPT
W1(mm)	150	150	82
W2(mm)	282	282	146
W3(mm)	75	75	NA

PORT CONFIGURATION:

P1 : FEED INLET / CIP & BACKWASH OUTLET
P2 : AIR INLET
P3 : FILTRATE / BACKWASH
P4 : CIP INLET / CONCENTRATE
P5 : FILTRATE OUTLET (OPTIONAL)



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