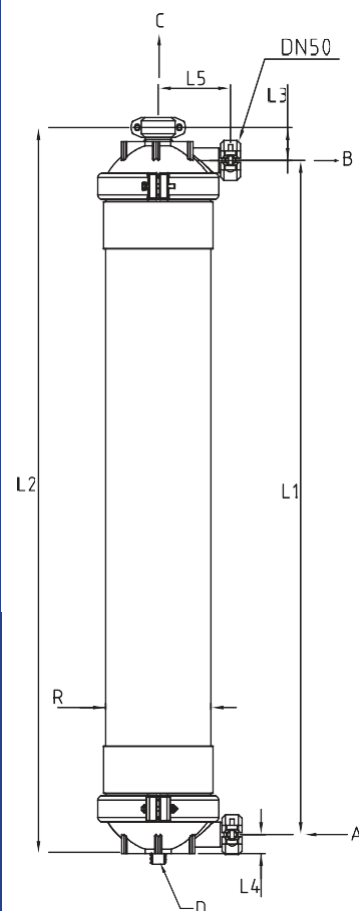


ULTRAflow™ & ULTRAflow™ MAX – Capillary Ultrafiltration Modules

Module Type	ULTRAflow 40	ULTRAflow MAX 40	ULTRAflow 60	ULTRAflow MAX 60	ULTRAflow 80	ULTRAflow MAX 80
Membrane Material	PVDF (TIPS)					
Nominal Pore Size (um)	0.04					
Filtration Mode	Outside-in					
Housing Material	uPVC/ABS					
Potting Material	Epoxy/Polyurethane					
Filtration Surface Area (m²) [ft²]	55 [592]	65 [700]	80 [861]	106 [1,141]	120 [1,290]	142 [1,528]
Typical Filtrate Flowrate (m³/hr) [gpm]	3 - 3.9 [13 - 17]	3.6 - 4.6 [16 - 20]	4.4 - 5.6 [19 - 25]	5.8 - 7.4 [26 - 33]	6.6 - 8.4 [29 - 37]	7.8 - 9.9 [34 - 44]
Column volume (L) [gal]	25 [6.6]	25 [6.6]	40 [10.6]	40 [10.6]	55 [14.5]	55 [14.5]
Weight (kg) [lbs]	35 [77]	35 [77]	44 [97]	44 [97]	54 [119]	53 [117]
L1 (mm) [inches]*	1,073 [42.2]	1,073 [42.2]	1,606 [63.2]	1,606 [63.2]	2,106 [82.9]	2,106 [82.9]
L2 (mm) [inches]*	1,195 [47]	1,195 [47]	1,730 [68.1]	1,730 [68.1]	2,230 [87.8]	2,230 [87.8]
L3 (mm) [inches]*	79 [3.1]					
L4 (mm) [inches]*	45 [1.8]					
L5 (mm) [inches]*	172 [6.8]					
R (mm) [inches]*	250 [9.8]					
A	Feed/Drain Port - DN50					
B	Filtrate Port - DN50					
C	Concentrate Bleed Port - DN50					
D	Air Inlet Port - Ø25/19					



OPERATIONAL DATA	LIMITS
Operating temperature (°C) [°F]	5 – 45 [41 – 113]
Typical flux (LMH) [gfd]	40 – 120 [25 – 70]
Air Scour Flowrate (m³/hr/module) [cfm]	15 [9]
Instantaneous chlorine tolerance (ppm)	5,000
Maximum lifetime chlorine tolerance (ppm-hrs)	1,000,000
Maximum feed turbidity (NTU)	300 for ULTRAflow 100 for ULTRAflow MAX
Maximum transmembrane pressure (bar) [psi]	1.5 [22]
Maximum feed pressure (bar) [psi]	3 [44]
Oil content in feed water (ppm)	< 2
pH range	Operating: 1 – 12; Cleaning: 1 – 14
Allowed particle size in feed water (mm)	≤ 0.5 ≤ 0.12 for seawater feeds

These are general descriptions and performance information. For additional operating information, storage instructions, and warranty terms, please contact Persalt Membranes for more details.