



dizzer[®] XL

Ultrafiltration Modules

- reliable rejection of microorganisms and viruses
- efficient backwash and simple operation
- no fiber breaks - guaranteed quality
- easy deaeration and handling
- low operating costs

Ultrafiltration modules dizzer® XL with Multibore® membrane

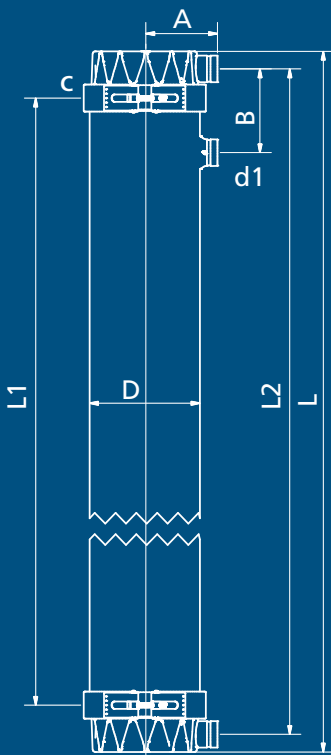


dizzer® modules with Multibore® 0.9

Module data			dizzer® XL 0.9 MB 60 W		dizzer® XL 0.9 MB 38 W	
Membrane area	m ²	sq.ft	60	645	38	410
Length with end cap (L)	mm	inch	1680 ± 3	66 1/8	1180 ± 3	46 1/2
Length without end cap (L1)	mm	inch	1486 ± 1.5	58 1/2	986 ± 1.5	38 3/4
Distance feed connectors (L2)	mm	inch	1600 ± 3	63	1100 ± 3	43 1/2
Distance feed – module center axis (A)	mm	inch	165	6 1/2	165	6 1/2
Distance feed – filtrate connector (B)	mm	inch	190 ± 1.5	7 1/2	190 ± 1.5	7 1/2
Outer diameter end cap coupling max. (C)	mm	inch	295	11 5/8	295	11 5/8
Outer diameter module (D)	mm	inch	250	9 7/8	250	9 7/8
Connector flexible victaulic (d1)		inch			2	
Weight * (wet)	kg	lbs.	55	120	40	90

dizzer® modules with Multibore® 1.5

Module data			dizzer® XL 1.5 MB 40 W		dizzer® XL 1.5 MB 25 W	
Membrane area	m ²	sq.ft	40	430	25	270
Length with end cap (L)	mm	inch	1680 ± 3	66 1/8	1180 ± 3	46 1/2
Length without end cap (L1)	mm	inch	1486 ± 1.5	58 1/2	986 ± 1.5	38 3/4
Distance feed connectors (L2)	mm	inch	1600 ± 3	63	1100 ± 3	43 1/3
Distance feed – module center axis (A)	mm	inch	165	6 1/2	165	6 1/2
Distance feed – filtrate connector (B)	mm	inch	190 ± 1.5	7 1/2	190 ± 1.5	7 1/2
Outer diameter end cap coupling max. (C)	mm	inch	295	11 5/8	295	11 5/8
Outer diameter module (D)	mm	inch	250	9 7/8	250	9 7/8
Connector flexible victaulic (d1)		inch			2	
Weight * (wet)	kg	lbs.	55	120	40	90



Technical information

Material			dizzer® XL	
Housing			PVC-U, white	
End cap			PVC-U, grey	
End cap coupling			SS (sealing EPDM)	
Operation parameters				
Pressure max.	bar	psi	5	70
Temperature range	°C	°F	0 – 40	32 – 104

* shipping weight

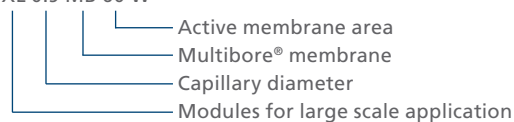
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Modules for large scale applications

Module name example:

dizzer® XL 0.9 MB 60 W



Innovative Ultrafiltration with Multibore® membranes

Multibore® membrane 0.9

Membrane data		
Capillaries per fibre		7
Inside diameter	mm	0.9
Outside diameter	mm	4.0
Pore size	µm	approx. 0.02
Material		PESM

Multibore® membrane 1.5

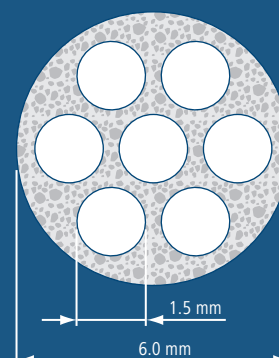
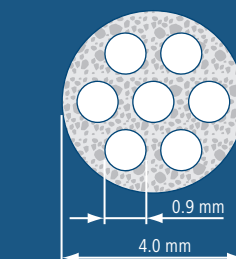
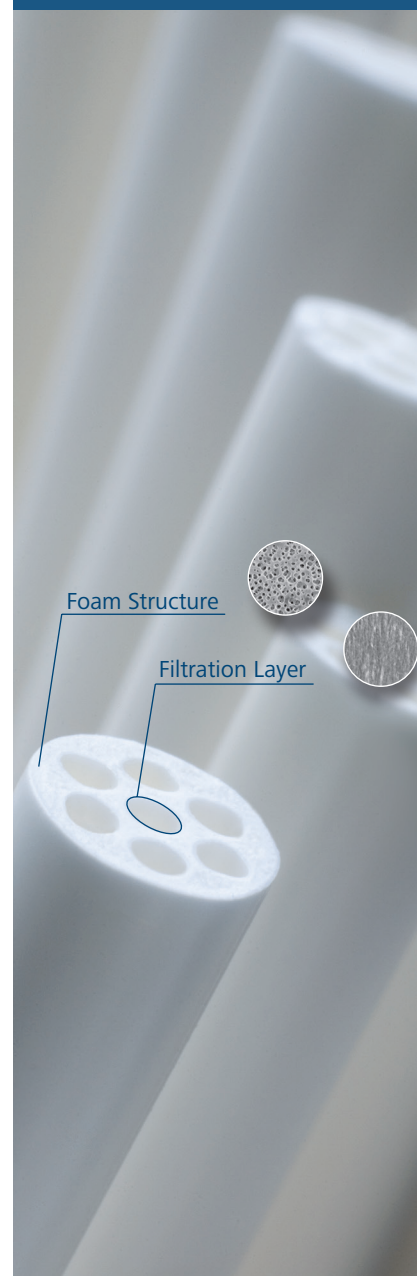
Membrane data		
Capillaries per fibre		7
Inside diameter	mm	1.5
Outside diameter	mm	6.0
Pore size	µm	approx. 0.02
Material		PESM

Technical information

Cleaning/disinfection chemicals	Multibore® membrane 0.9 and 1.5			
Free chlorine	ppm		max. 200	
	ppm x h		max. 200.000	
H ₂ O ₂ (Hydrogenperoxide)	ppm		max. 500	
Caustic Soda pH			max. 13	
Acid pH			min. 1	
Flux rate				
Filtration *	lmh	gfd	60 – 180	35 – 105
Backwash standard range	lmh	gfd	230	135
			230–300	135–175
Transmembrane Pressure (TMP)				
Filtration *	bar	psi	0.1 – 1.5	1.5 – 20
Backwash standard *	bar	psi	0.3 – 3.0	5 – 40
Burst pressure	bar	psi	> 10	> 150

* Specifications apply to common operating conditions.

Subject to technical modifications and errors. Modules are to be operated in accordance with the "Installation, Operation and Maintenance Guidelines inge UF-Modules". Further specially customised configurations are available on request. Please contact the inge watertechnologies AG team if you require any further information.



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