

dizzer® XL WR

dizzer® 5000plus WR

dizzer® 3000plus WR

Ultrafiltration modules



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dizzer® - Ultrafiltration modules

- Excellent efficiency and high output
- Easy installation, plug-and-play operation
- Compact design
- Low operating costs

dizzer® XL modules with Multibore® 0.9 membrane

Module data			dizzer® XL 0.9 MB 60 WR		dizzer® XL 0.9 MB 36 WR	
Part number			VK-0089		VK-0090	
Membrane area	m ²	sq.ft.	60	645	36	390
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	180	7 1/16	180	7 1/16
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 membrane

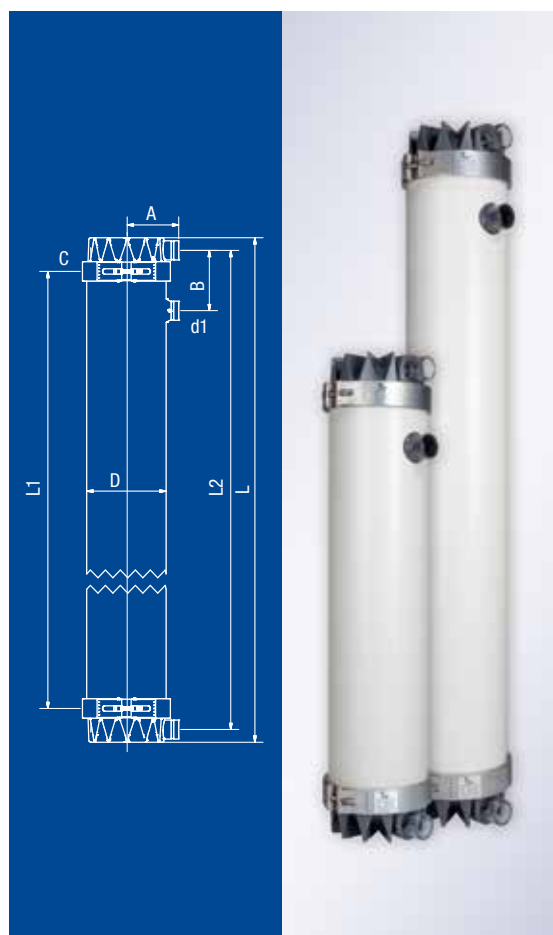
Module data			dizzer® XL 1.5 MB 40 WR		dizzer® XL 1.5 MB 25 WR	
Part number			VK-0091		VK-0092	
Membrane area	m ²	sq.ft.	40	430	25	270
Length with end cap (L)	mm	inch	1680 ± 3	66 1/8	1180 ± 3	46 1/2
Length without end cap (L1)	mm	inch	1486 ± 1.5	58 1/2	986 ± 1.5	38 3/4
Distance feed connectors (L2)	mm	inch	1600 ± 3	63	1100 ± 3	43 1/3
Distance feed – module center axis (A)	mm	inch	180	7 1/16	180	7 1/16
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® 5000plus and dizzer® 3000plus modules with Multibore® 0.9 membrane

Module data			dizzer® 5000plus WR		dizzer® 3000plus WR	
Part number			VK-0094		VK-0093	
Membrane area	m ²	sq.ft.	50	538	30	323
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	180	7 1/16	180	7 1/16
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	12	295	12
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

* shipping weight

® = Registered trademark of BASF



Modules for large scale application

Module designation:

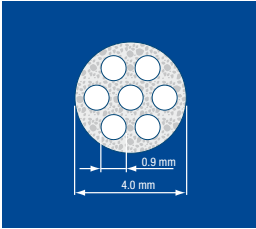
dizzer® XL 0.9 MB 60 WR

Active membrane area
Multibore® membrane
Capillary diameter
Modules for large scale application

Technical information - membranes and modules

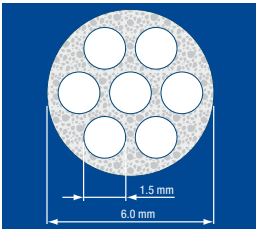
Multibore® 0.9 membrane

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



Multibore® 1.5 membrane

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



Membrane data

Cleaning/disinfection chemicals			Multibore® 0.9 and 1.5 membrane	
Free chlorine	ppm ppm x h		max. 200 max. 200,000 (at pH ≥ 9.5)	
H ₂ O ₂ (Hydrogenperoxide)	ppm		max. 500	
Caustic Soda pH			max. 13	
Acid pH			min. 1	
Flux rate				
Filtration*	l/(m²h)	gfd	60 – 180	35 – 105
Backwash standard	l/(m²h)	gfd	230	135
Backwash range	l/(m²h)	gfd	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 membrane	bar	psi	> 10	> 150

* Specifications apply to common operating conditions.

Module data

Material				
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	1 – 40	34 – 104



Subject to technical modifications and errors. Modules are to be operated in accordance with the inge® Operator’s Manual. Customized configurations are available on request. Please contact the inge GmbH team if you require any further information.

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