

dizzer[®] XL

Ultrafiltration modules



dizzer® XL modules – State-of-the-art UF technology

- Open platform design for custom rack solutions
- Up to 80 m² filtration area per module
- Superior cleaning efficiency
- Highest filtrate output
- Easy installation, plug-and-play operation
- Low operating costs

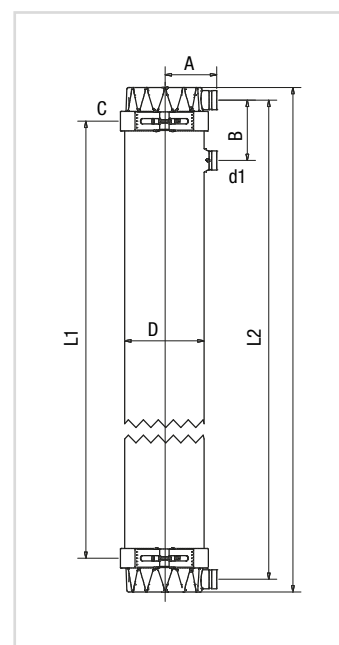
dizzer® modules with Multibore® 0.9 membrane

Module data			dizzer® XL 0.9 MB 38 W		dizzer® XL 0.9 MB 60 W		dizzer® XL 0.9 MB 80 W	
Part number			VK-0070		VK-0068		VK-0109	
Membrane area	m ²	sq.ft.	38	410	60	645	80	861
Length with end cap (L)	mm	inch	1180 ± 3	46 1/2	1680 ± 3	66 1/8	1914 ± 3	75 23/64
Length without end cap (L1)	mm	inch	986 ± 1.5	38 3/4	1486 ± 1.5	58 1/2	1720 ± 1.5	67 23/32
Distance feed connectors (L2)	mm	inch	1100 ± 3	43 1/2	1600 ± 3	63	1834 ± 3	72 13/64
Distance feed – module center axis (A)	mm	inch	165	6 1/2	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	190 ± 1.5	7 1/2
Outer diameter end cap coupling max. (C)	mm	inch	295	11 5/8	295	11 5/8	295	11 5/8
Outer diameter module (D)	mm	inch	250	9 7/8	250	9 7/8	250	9 7/8
Connector flexible victaulic (d1)		inch	2					
Shipping weight (wet)	kg	lbs.	40	90	55	120	58	128

dizzer® modules with Multibore® 1.5 membrane

Module data			dizzer® XL 1.5 MB 25 W		dizzer® XL 1.5 MB 40 W	
Part number			VK-0071		VK-0069	
Membrane area	m ²	sq.ft.	25	270	40	430
Length with end cap (L)	mm	inch	1180 ± 3	46 1/2	1680 ± 3	66 1/8
Length without end cap (L1)	mm	inch	986 ± 1.5	38 3/4	1486 ± 1.5	58 1/2
Distance feed connectors (L2)	mm	inch	1100 ± 3	43 1/3	1600 ± 3	63
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			
Shipping weight (wet)	kg	lbs.	40	90	55	120

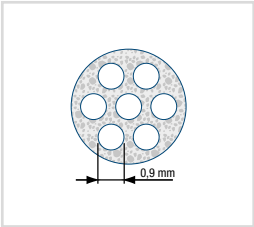
Module construction		
Housing material		PVC-U, white
End-cap material		PVC-U, grey
End-cap coupling material		SS (sealing EPDM)



Multibore® 0.9 and 1.5 Ultrafiltration membranes – Highest mechanical stability

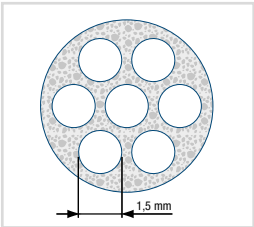
Multibore® 0.9 membrane

Membrane data		
Capillaries per fibre		7
Capillary inner diameter	mm	0.9
Pore size	µm	approx. 0.02
Material		PESM
Mode of operation		In-to-Out-filtration



Multibore® 1.5 membrane

Membrane data		
Capillaries per fibre		7
Capillary inner diameter	mm	1.5
Pore size	µm	approx. 0.02
Material		PESM
Mode of operation		In-to-Out-filtration



Technical information

Operating parameters			Multibore® 0.9		Multibore® 1.5	
Max. operating pressure	bar	psi	5	72	5	72
Permissible temperature range	°C	°F	1 – 40	34 – 104	1 – 40	34 – 104
Flux rate						
Filtration*	l/(m²h)	gfd	60 – 180	35 – 105	60 – 180	35 – 105
Backwash standard	l/(m²h)	gfd	230	135	230	135
Backwash range	l/(m²h)	gfd	230 – 300	135 – 175	230 – 300	135 – 175
Transmembrane pressure (TMP)						
Filtration*	bar	psi	0.1 – 1.5	1.5 – 20	0.1 – 1.5	1.5 – 20
Backwash standard*	bar	psi	0.3 – 3.0	5 – 40	0.3 – 3.0	5 – 40
Burst pressure membrane	bar	psi	> 12	> 174	> 10	> 150
Cleaning/disinfection chemicals						
NaClO (sodium hypochlorite)	ppm		max. 500		max. 500	
	ppm x h		max. 250,000 (at pH ≥ 9.5)		max. 250,000 (at pH ≥ 9.5)	
H ₂ O ₂ (Hydrogenperoxide)	ppm		max. 500		max. 500	
Caustic Soda pH			max. 13		max. 13	
Acid pH			min. 1		min. 1	

* Typical operating conditions.

Modules for large scale application

Module designation:

dizzer® XL 0.9 MB 60 W

Active membrane area

Multibore® membrane

Capillary diameter

Modules for large scale application



Note

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Technical Specifications dizzyer XL 7(2017-02) E inge

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