

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

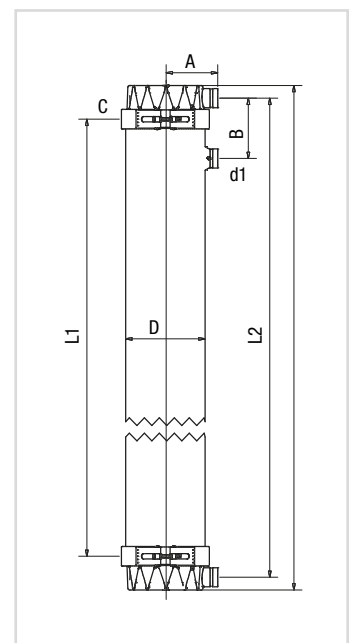
dizzer® modules with Multibore® 0.9 membrane

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

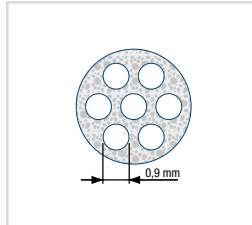
Module construction		
Housing material		PVC-U, white
End-cap material		PVC-U, grey
End-cap coupling material		SS (sealing EPDM)



Multibore® 0.9 and 1.5 Ultrafiltration membranes – Highest mechanical stability

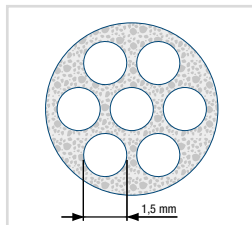
Multibore® 0.9 membrane

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

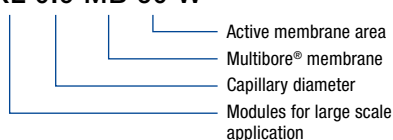
Operating parameters			Multibore® 0.9		Multibore® 1.5	
Max. operating pressure	bar	psi	5	72	5	72
Permissible temperature range	°C	°F	1 – 40	34 – 104	1 – 40	34 – 104
Flux rate						
Filtration*	l/(m²h)	gfd	60 – 180	35 – 105	60 – 180	35 – 105
Backwash standard	l/(m²h)	gfd	230	135	230	135
Backwash range	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



Note

The descriptions, designs, data and information („Product Information“) contained herein are presented in good faith and are based on inge GmbH's current knowledge and experience. inge GmbH cannot accept any liability for the accuracy of this Product Information, which is provided at no charge and for guidance only.

inge® products are designed to specifically be operated in accordance with the corresponding inge® „Operator's Manual“. The Product Information and products are protected by copyright and/or other intellectual property laws worldwide. However, inge GmbH cannot guarantee that the Product Information and products can be used without infringing third party intellectual property rights. The products and Product Information may only be used, distributed and marketed with the express prior permission of inge GmbH.

No warranties of any kind regarding the products, either expressed or implied, including, but not limited to, warranties of merchantability, fitness for a particular purpose or no third party rights are made, other than as expressly set out in the contractual agreement with the customer. Mechanical stability and full functionality of inge® products can only be provided by genuine inge® parts.

inge GmbH reserves the right to modify products and Product Information at any time without prior information. Current Product Information can be obtained from the website www.inge.basf.com

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

inge GmbH
Flurstrasse 27
86926 Greifenberg, Germany
Phone +49 8192 997-700
Fax +49 8192 997-999
info@inge.ag

www.inge.basf.com

