

dizzer[®] P

Ultrafiltration modules



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WATER TREATMENT SOLUTIONS

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dizzer® P - Ultrafiltration modules

- Easy installation, plug-and-play operation
- Excellent quality of filtrate
- Reliable rejection of microorganisms and viruses
- Low operating costs

4" UF modules with Multibore® 0.9 membrane

Module data			dizzer® P 4040-6.0		dizzer® P 4021-2.5	
Part number			EP-0049		EP-0048	
Membrane area	m ²	sq.ft.	6.0	65	2.5	27
Length (L)	mm	inch	960 ± 1.5	37.8	475 ± 1.5	18.7
Outer diameter module (D)	mm	inch	100	3.94	100	3.94
Inner diameter filtrate connection (d1)	mm	inch	28.4	1.12	28.4	1.12
Weight* (wet)	kg	lbs.	4.5	10	2.3	5

4" UF modules with Multibore® 1.5 membrane

Module data			dizzer® P 4040-4.0		dizzer® P 4021-1.8	
Part number			EP-0051		EP-0050	
Membrane area	m ²	sq.ft.	4.0	43	1.8	19.4
Length (L)	mm	inch	960 ± 1.5	37.8	475 ± 1.5	18.7
Outer diameter module (D)	mm	inch	100	3.94	100	3.94
Inner diameter filtrate connection (d1)	mm	inch	28.4	1.12	28.4	1.12
Weight* (wet)	kg	lbs.	4.5	10	2.3	5

2.5" UF modules with Multibore® 0.9 membrane

Module data			dizzer® P 2521-1.0		dizzer® P 2514-0.5	
Part number			EP-0047		EP-0046	
Membrane area	m ²	sq.ft.	1.0	11	0.5	5.4
Length (L)	mm	inch	475 ± 1.5	18.7	300 ± 1.5	11.8
Outer diameter module (D)	mm	inch	61	2.4	61	2.4
Inner diameter filtrate connection (d1)	mm	inch	17	0.67	17	0.67
Weight* (wet)	kg	lbs.	0.7	1.6	0.4	0.9

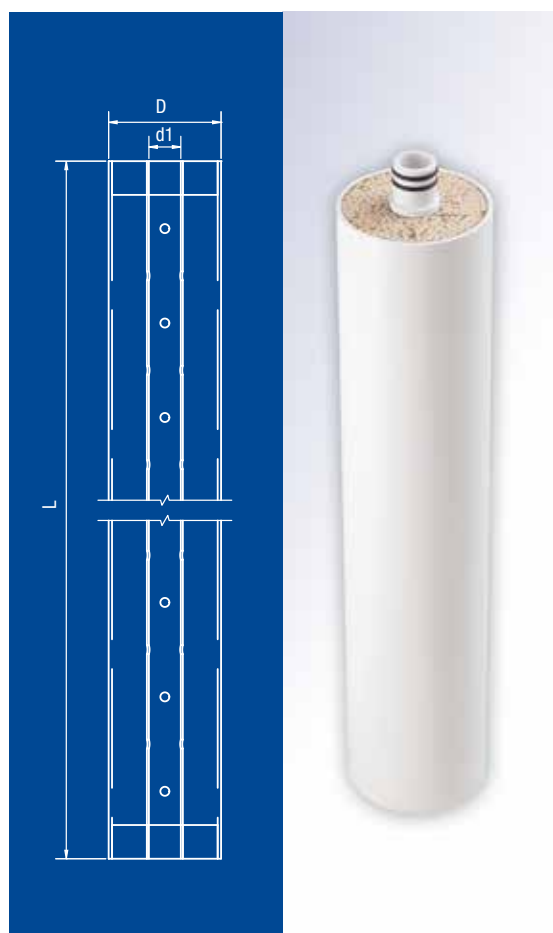
Technical information

Material					
Housing					PVC-U, white
Filtrate tube					PVC-U, white
Filtrate connectors					PVC-U, white
Operation parameters					
Maximum transmembrane pressure**	bar	psi	3		43.5
Temperature range**	°C	°F	1 – 40		34 – 104

* shipping weight

** To avoid mechanical damage, do not subject the membrane module or element to sudden temperature changes (> 1°C/min) or water hammer.

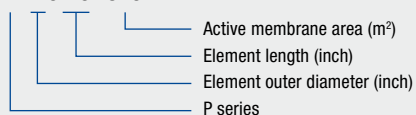
® = Registered trademark of BASF



Modules for small scale application (e.g. Point-of-Use, Point-of-Entry)

Module designation:

dizzer® P 4040-6.0



dizzer® P - Pressure housings

Pressure housings for 4“ UF modules

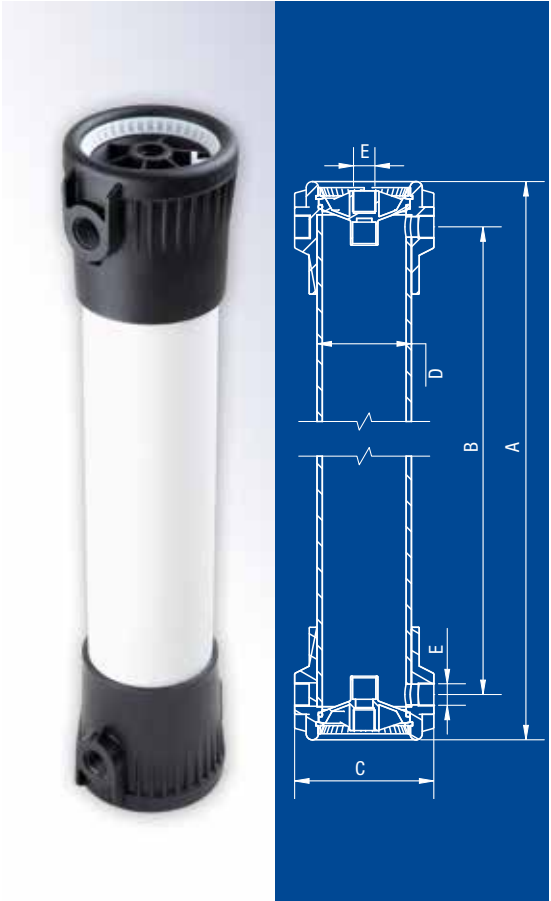
Module data			PV 4040		PV 4021	
Part number			KT-0134		KT-0133	
Length (A)	mm	inch	1130	44.5	648	25.5
Distance connections (B)	mm	inch	1019	40.12	536	21.12
Outer diameter end cap (C)	mm	inch	159	6.25	159	6.25
Outer diameter shell (D)	mm	inch	114	4.5	114	4.5
Threaded connections (E)		inch	3/4" FNPT		3/4" FNPT	

Pressure housings for 2.5“ UF modules

Module data			PV 2521		PV 2514	
Part number			KT-0132		KT-0131	
Length (A)	mm	inch	603	23.75	425	16.75
Distance connections (B)	mm	inch	527	20.75	349	13.75
Outer diameter end cap (C)	mm	inch	95	3.75	95	3.75
Outer diameter shell (D)	mm	inch	73	2.88	73	2.88
Threaded connections (E)		inch	3/8" FNPT		3/8" FNPT	

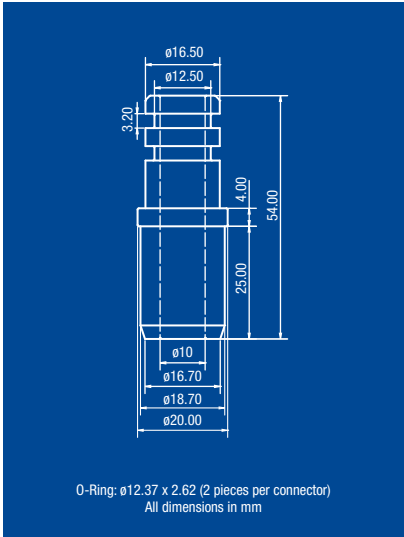
Technical information

Material				
Housing			PVC-U, white	
Filtrate end cap			Noryl GTX	
Operation parameters				
Maximum system pressure	bar	psi	10	145
Temperature range	°C	°F	1 – 40	34 – 104

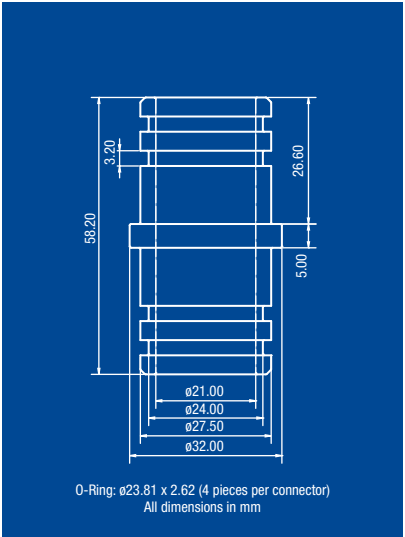


Filtrate connectors for 2.5“ and 4“ UF modules

2.5" element filtrate connector kit	FC 25
Part number	EP-0052



4" element filtrate connector kit	FC 40
Part number	EP-0053



Multibore® membranes

Multibore® 0.9 membrane

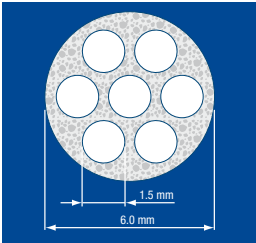
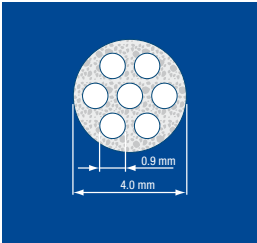
Membrane data				
Capillaries per fibre			7	
Inside diameter	mm		0.9	
Outside diameter	mm		4.0	
Pore size	µm		approx. 0.02	
Burst pressure	bar	psi	>10	>150
Material			PESM	

Multibore® 1.5 membrane

Membrane data				
Capillaries per fibre			7	
Inside diameter	mm		1.5	
Outside diameter	mm		6.0	
Pore size	µm		approx. 0.02	
Burst pressure	bar	psi	>10	>150
Material			PESM	

Technical information

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



Subject to technical modifications and errors. Modules are to be operated in accordance with the relevant “Installation, Operation and Maintenance Guidelines“ for modules and pressure housings. Customized configurations are available on request. Please contact the inge GmbH team if you require any further information.



Note

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Technical Specification dizzer P 4(2012-11) E inge

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