

DuPont™ Inge™ MB PRO XL 95 TR Module

Modules for TR & TRC Rack

Key Features

Innovative Multibore™ PRO PES Fibers:

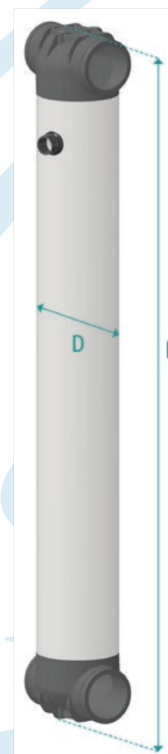
- Exceptional physical strength and chemical resistance.
- High colloidal particulate, bacteria and virus log removal rate.
- Excellent filtration permeability.
- Optional coagulation can enhance the removal of algae and organics.

Optimized Module Design:

- Innovative end-cap design to suit TR & TRC Rack concept with simple assembly and scalability.
- Enhanced active filtration area to minimize footprint.
- Robust materials for long lifetime.
- Easy installation and low maintenance.
- All wetted parts corrosion free

Key Applications

- Municipal drinking water.
- Desalination RO pretreatment.
- Ideal for large systems.

MB PRO


Module Specification

General

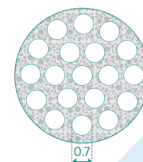
Part Number / GMID	IN-5122 / 12071531
Mode of Filtration	In-Out Pressurized
Membrane Type	Multibore™ PRO
Membrane Material	PESm
Nominal Membrane Pore Size	0.02 µm
Module Operating Process	Dead-end
Housing Material	PVC-U, white

Dimensions

Active Membrane Area	95 m²	1,023 ft²
Module Length Including T-Piece (L)	2,101 mm	82.7 inch
Module Diameter (D)	250 mm	9.8 inch

Weight and Volume

Shipping Weight (Module Only)	54 kg	119 lbs.
Weight Empty (Module and Corresponding Frame)	68 kg	149 lbs.
Weight Filled (Module and Corresponding Frame)	140 kg	309 lbs.
Hold-Up Volume Feed (CIP)	32 L	8.4 gal
Hold-Up Volume Membrane Structure (CIP)	18 L	4.8 gal
Hold-Up Volume Filtrate (CIP)	36 L	9.4 gal



Certified to NSF/ANSI/CAN 61
& NSF/ANSI 419

Form No. 45-D04341-en, Rev. 6
May 2026

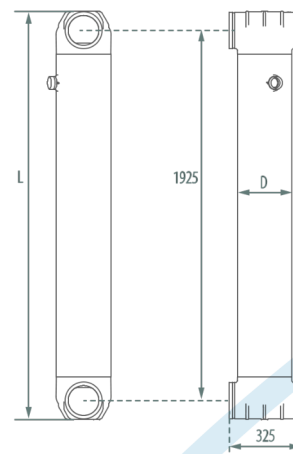
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Suggested Operating Conditions

General		Details	
Operating Temperature Range	1 - 45 °C	34 - 113 °F	
Operating pH	2 - 12		
Cleaning pH	1 - 13		
Typical Filtration TMP	0.1 - 0.6 bar	1.5 - 8.7 psi	
Typical Backwash TMP	0.3 - 2.0 bar	4.4 - 29.0 psi	
Backwash Flux	230 L/(m²h)	135 gfd	
Backwash Flow	21.8 m³/h	96.0 gpm	
Operating Limits (Maximum)			
Rate of Temperature Change	5 °C/min	9 °F/min	
Inlet Pressure at max 40°C	5 bar	73 psi	
Rate of Pressure Change	0.5 bar/sec	7.3 psi/sec	
Filtration TMP	1.5 bar	22 psi	
Backwash TMP	3.0 bar	44 psi	
Filtration Flux	140 L/(m²h)	82 gfd	
Filtration Flow	13.3 m³/h	58.6 gpm	
Backwash Flux	250 L/(m²h)	147 gfd	
Particle Size	230 µm		
Exposure NaOCl*	≤ 500,000 ppm x h (at pH ≥ 9.5)		
Concentration NaOCl	2,000 ppm		

*NaOCl exposure limits at lower pH are dependent on water type and are project specific.



TR Rack Configuration

TR Rack Standard			TRC Rack (containerized)		Length ²		Membrane Area	
Number of Modules	Unit	Part Number ¹	Unit	Part Number ¹	mm	ft	m²	ft²
Single-Sided Connection to Manifold								
2 Rows Configuration								
4	TR-4-2-1	12071552	TRC-4-2-1	12124123	655	2.15	380	4,090
6	TR-6-2-1	12071553	TRC-6-2-1	12124231	985	3.23	570	6,135
8	TR-8-2-1	12071554	TRC-8-2-1	12124211	1,315	4.31	760	8,181
10	TR-10-2-1	12071555	TRC-10-2-1	12124125	1,645	5.40	950	10,226
12	TR-12-2-1	12071556	TRC-12-2-1	12124235	1,975	6.48	1,140	12,271
14	TR-14-2-1	12071557	TRC-14-2-1	12124126	2,305	7.56	1,330	14,316
16	TR-16-2-1	12071558	TRC-16-2-1	12124127	2,635	8.65	1,520	16,361
18	TR-18-2-1	12071559	TRC-18-2-1	12124129	2,965	9.73	1,710	18,406
20	TR-20-2-1	12071560	TRC-20-2-1	12124130	3,295	10.81	1,900	20,451
22	TR-22-2-1	12071561	TRC-22-2-1	12124131	3,625	11.89	2,090	22,496
24	TR-24-2-1	12071562	TRC-24-2-1	12124132	3,955	12.98	2,280	24,542
26	TR-26-2-1	12071563	TRC-26-2-1	12124214	4,285	14.06	2,470	26,587

1. Rack parts without modules.

2. Length excluding central header manifold. Tolerance to ISO 2768-1c.

Number of Modules	TR Rack Unit	Part Number ¹	Length ²		Membrane Area	
			mm	ft	m²	ft²
4 Rows Configuration						
28	TR-28-4-1	12071079	2,305	7.56	2,660	28,632
32	TR-32-4-1	12071122	2,635	8.65	3,040	32,722
36	TR-36-4-1	12071096	2,965	9.73	3,420	36,812
40	TR-40-4-1	12071097	3,295	10.81	3,800	40,903
44	TR-44-4-1	12071098	3,625	11.89	4,180	44,993
48	TR-48-4-1	12071099	3,955	12.98	4,560	49,083
52	TR-52-4-1	12071100	4,285	14.06	4,940	53,174
Double-Sided Connection to Manifold						
4 Rows Configuration						
56	TR-56-4-2	12071080	4,615	15.14	5,320	57,264
60	TR-60-4-2³	12071081	4,945	16.22	5,700	61,354
64	TR-64-4-2	12071123	5,275	17.31	6,080	65,444
68	TR-68-4-2³	12071124	5,605	18.39	6,460	69,535
72	TR-72-4-2	12071105	5,930	19.46	6,840	73,625
76	TR-76-4-2³	12071106	6,260	20.54	7,220	77,715
80	TR-80-4-2	12071107	6,590	21.62	7,600	81,805
84	TR-84-4-2³	12071108	6,920	22.70	7,980	85,896
88	TR-88-4-2	12071109	7,250	23.79	8,360	89,986
92	TR-92-4-2³	12071110	7,580	24.87	8,740	94,076
96	TR-96-4-2	12071111	7,910	25.95	9,120	98,166
100	TR-100-4-2³	12071112	8,240	27.03	9,500	102,257
104	TR-104-4-2	12071113	8,570	28.12	9,880	106,347

1. Rack parts without modules.

2. Length excluding central header manifold. Tolerance to ISO 2768-1c.

3. Asymmetric module arrangement.

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