

DuPont™ Inge™ MB 0.9 XL 60 TRS Module

Module for TRS Rack

Key Features

Proven Multibore™ PES Fibers:

- Exceptional physical strength and chemical resistance.
- High colloidal particulate, bacteria and virus log removal rate.
- Unique design for high solids loads.
- Optional coagulation can enhance the removal of algae and organics.

Optimized Module Design:

- Innovative end-cap design to suit TRS Rack concept with simple assembly and scalability.
- Robust materials for long lifetime.
- Easy installation and low maintenance.
- All wetted parts corrosion free.

Key Applications

- Municipal drinking water.
- Desalination RO pretreatment.
- Industrial utility water.
- Industrial wastewater reuse.
- Ideal for height restricted or containerized filtration solution.

Module Specification

General

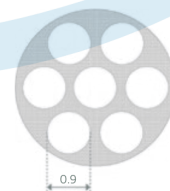
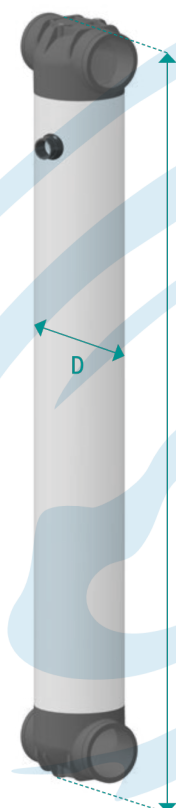
Part Number / GMID	IN-5102 / 12071528	
Mode of Filtration	In-Out Pressurized	
Membrane Type	Multibore™	
Membrane Material	PESm	
Nominal Membrane Pore Size	0.02 µm	
Module Operating Process	Dead-end	
Housing Material	PVC-U, white	

Dimensions

Active Membrane Area	60 m²	646 ft²
Module Length Including T-Piece (L)	1,879 mm	74.0 inch
Module Diameter (D)	250 mm	9.8 inch

Weight and Volume

Shipping Weight (Module Only)	47 kg	103 lbs.
Weight Empty (Module and Corresponding Frame)	30 kg	132 lbs.
Weight Filled (Module and Corresponding Frame)	128 kg	282 lbs.
Hold-Up Volume Feed (CIP)	29 L	7.6 gal
Hold-Up Volume Membrane Structure (CIP)	16 L	4.1 gal
Hold-Up Volume Filtrate (CIP)	33 L	8.7 gal


Certified to
NSF/ANSI/CAN 61

Form No. 45-D02242-en, Rev. 5
May 2026

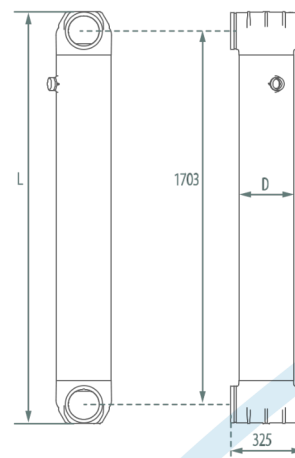
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Suggested Operating Conditions

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	13.8 m³/h	60.8 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	180 L/(m²h)	106 gfd	
Filtration Flow	10.8 m³/h	47.6 gpm	
Backwash Flux	300 L/(m²h)	176 gfd	
Particle Size	300 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.


TRS Rack Configuration

Number of Modules	TRS Rack Unit	Part Number ¹	Length ²		Membrane Area	
			mm	ft	m ²	ft ²
2 Rows Configuration						
4	TRS-4-2-1	12071170	655	2.15	240	2,583
6	TRS-6-2-1	12071171	985	3.23	360	3,875
8	TRS-8-2-1	12071172	1,315	4.31	480	5,167
10	TRS-10-2-1	12071173	1,645	5.40	600	6,459
12	TRS-12-2-1	12071174	1,975	6.48	720	7,750
14	TRS-14-2-1	12071175	2,305	7.56	840	9,042
16	TRS-16-2-1	12071176	2,635	8.65	960	10,334
18	TRS-18-2-1	12071177	2,965	9.73	1,080	11,625
20	TRS-20-2-1	12071178	3,295	10.81	1,200	12,917
22	TRS-22-2-1	12071179	3,625	11.89	1,320	14,209
24	TRS-24-2-1	12071180	3,955	12.98	1,440	15,501
26	TRS-26-2-1	12071181	4,285	14.06	1,560	16,792
28	TRS-28-2-1	12071182	4,615	15.14	1,680	18,084
30	TRS-30-2-1	12071183	4,945	16.22	1,800	19,376
32	TRS-32-2-1	12071184	5,275	17.31	1,920	20,667
34	TRS-34-2-1	12071185	5,605	18.39	2,040	21,959
36	TRS-36-2-1	12071186	5,935	19.47	2,160	23,251
38	TRS-38-2-1	12071187	6,265	20.55	2,280	24,543
40	TRS-40-2-1	12071188	6,595	21.64	2,400	25,834

1. Rack parts without modules.

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

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Number of Modules	TRS Rack Unit	Part Number ¹	Length ²		Membrane Area	
			mm	ft	m²	ft²
4 Rows Configuration						
16	TRS-16-4-1	12071189	1,315	4.31	960	10,334
20	TRS-20-4-1	12071190	1,645	5.40	1,200	12,917
24	TRS-24-4-1	12071191	1,975	6.48	1,440	15,501
28	TRS-28-4-1	12071192	2,305	7.56	1,680	18,084
32	TRS-32-4-1	12071193	2,635	8.65	1,920	20,667
36	TRS-36-4-1	12071194	2,965	9.73	2,160	23,251
40	TRS-40-4-1	12071195	3,295	10.81	2,400	25,834
44	TRS-44-4-1	12071196	3,625	11.89	2,640	28,418
48	TRS-48-4-1	12071197	3,955	12.98	2,880	31,001
52	TRS-52-4-1	12071198	4,285	14.06	3,120	33,584
56	TRS-56-4-1	12071199	4,615	15.14	3,360	36,168
60	TRS-60-4-1	12071200	4,945	16.22	3,600	38,751
64	TRS-64-4-1	12071201	5,275	17.31	3,840	41,335
68	TRS-68-4-1	12071202	5,605	18.39	4,080	43,918
72	TRS-72-4-1	12071203	5,935	19.47	4,320	46,502
76	TRS-76-4-1	12071204	6,265	20.55	4,560	49,085
80	TRS-80-4-1	12071205	6,595	21.64	4,800	51,668

1. Rack parts without modules.

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