

Profile® II Filters



Description

Profile II filters are proven to remove 99.98% of the contaminants at their micron rating. They are ideally suited for pre-RO, resin trap and cooling water applications.

- Excellent removal efficiency
- Continuously profiled pore structure
- High contaminant holding capacity
- Low extractables (no binders or resins)
- Available in many removal ratings and configurations
- Long service life

Specifications

Materials

- Medium: Polypropylene
- Core: Polypropylene
- Gasket: Santoprene¹ rubber

Removal Ratings

- 1 µm, 3 µm, 5 µm, 7 µm, 10 µm, 15 µm, 20 µm, 40 µm and 70 µm

Configurations

- Nominal length: 10" / 254 mm, 20" / 508 mm, 30" / 762 mm and 40" / 1016 mm
- Diameter: 2½" / 64 mm
- Double open end flat gasket

Operating Conditions

- Maximum Temperature: 180°F / 82°C
- Maximum Differential Pressure:
 - 60 psid @ 85°F / 4.1 bar @ 30°C;
 - 50 psid @ 120°F / 3.4 bar @ 50°C;
 - 30 psid @ 160°F / 2 bar @ 70°C;
 - 15 psid @ 180°F / 1 bar @ 82°C

¹ Santoprene is a trademark of Monsanto Company

Removal Rating / Pressure Drop

Cartridge Grade	Removal Rating in Microns (μm) at % Efficiency ¹		Clean Pressure Drop in Water Per 10" / 254 mm Element	
	90%	99.98%	psi / gpm	mbar / L / min
010	< 1	1	2.6	473
030	< 1	3	1.5	273
050	2	5	0.8	146
070	3.5	7	0.5	91
100	6.5	10	0.3	55
120	7	12	0.2	36
150	8	15	0.15	27
200	10	20	0.10	18
300	14	30	0.08	15
400	20	40	0.05	9
700	32	²	< 0.05	< 9

¹ Rating of filter is based upon the modified Oklahoma State University (OSU) F-2 Filter Performance (Beta Rating) Test.

² Precision evaluation of the 99.98% removal efficiency for these coarse grades is not possible with the OSU test procedure utilized.

Part Numbers / Ordering Information

Part Number	Removal Rating (μm)	Nominal Length ³ (in / mm)	Configuration ³ Code	Gasket Material ³
RM1F050H21	5	10 / 254	Double Open End / Flat Gasket	Santoprene
RM2F050H21	5	20 / 508	Double Open End / Flat Gasket	Santoprene
RM3F050H21	5	30 / 762	Double Open End / Flat Gasket	Santoprene
RM4F050H21	5	40 / 1016	Double Open End / Flat Gasket	Santoprene
RM1F200H21	20	10 / 254	Double Open End / Flat Gasket	Santoprene
RM2F200H21	20	20 / 508	Double Open End / Flat Gasket	Santoprene
RM3F200H21	20	30 / 762	Double Open End / Flat Gasket	Santoprene
RM4F200H21	20	40 / 1016	Double Open End / Flat Gasket	Santoprene
RM1F400H21	40	10 / 254	Double Open End / Flat Gasket	Santoprene
RM2F400H21	40	20 / 508	Double Open End / Flat Gasket	Santoprene
RM3F400H21	40	30 / 762	Double Open End / Flat Gasket	Santoprene
RM4F400H21	40	40 / 1016	Double Open End / Flat Gasket	Santoprene

³ Other lengths, configurations and gasket materials are available.

Unit conversion: 1 bar = 100 kilopascals



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