

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	Santoprene ¹ rubber

Removal Ratings	1 µm, 3 µm, 5 µm, 7 µm, 10 µm, 15 µm, 20 µm, 40 µm and 70 µm
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Configurations

Nominal length	254 mm / 10 in, 508 mm / 20 in, 762 mm / 30 in and 1016 mm / 40 in
Diameter	64 mm / 2.5 in
Double open end flat gasket	



Operating Conditions

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

¹ Santoprene is a trademark of Exxon Mobil Corporation.

Removal Rating / Pressure Drop

Cartridge Grade	Removal Rating in Microns (μm) at % Efficiency ²		Clean Pressure Drop in Water Per 254 mm / 10 in Element	
	90%	99.98%	kPa / 10L / min	psi / gpm
010	< 1	1	47.3	2.6
030	< 1	3	27.3	1.5
050	2	5	14.6	0.8
070	3.5	7	9.1	0.5
100	6.5	10	5.5	0.3
120	7	12	3.6	0.2
150	8	15	2.7	0.15
200	10	20	1.8	0.10
300	14	30	1.5	0.08
400	20	40	0.9	0.05
700	32	N/A ³	< 0.9	< 0.05

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

³ Precise 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 ⁴ (mm / in)	Configuration ⁴ Code	Gasket Material ⁴
RM1F050H21	5	254 / 10	Double open end / flat gasket	Santoprene
RM2F050H21	5	508 / 20	Double open end / flat gasket	Santoprene
RM3F050H21	5	762 / 30	Double open end / flat gasket	Santoprene
RM4F050H21	5	1016 / 40	Double open end / flat gasket	Santoprene
RM1F200H21	20	254 / 10	Double open end / flat gasket	Santoprene
RM2F200H21	20	508 / 20	Double open end / flat gasket	Santoprene
RM3F200H21	20	762 / 30	Double open end / flat gasket	Santoprene
RM4F200H21	20	1016 / 40	Double open end / flat gasket	Santoprene
RM1F400H21	40	254 / 10	Double open end / flat gasket	Santoprene
RM2F400H21	40	508 / 20	Double open end / flat gasket	Santoprene
RM3F400H21	40	762 / 30	Double open end / flat gasket	Santoprene
RM4F400H21	40	1016 / 40	Double open end / flat gasket	Santoprene

⁴ Other lengths, configurations and gasket materials are available.

Unit conversion: 1 bar = 100 kilopascals



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