

ROCKET BAG TYPE FILTER CARTRIDGE

**Pleated filter
element**

**RPO / RPE
/ RPG series**



Feature Tec's Rocket pleated bag type filter cartridge is a new innovative product, and a great alternative to standard filter bags. Using a unique pleating structure, Rocket provides up to four times the filter area compared to standard filter bag.

Applications

- Automotive degreasing and washing fluids
- Steel emulsions and bath filtration
- Process cooling water
- Membrane pre-filtration
- Granular cooling fluids
- Coal-water slurry
- Desalination processes
- Machinery cutting fluids and many more

Features and benefits

- Unique pleated structure provides up to four times the filter area than common
- Available as absolute (four-layer melt-blown filter material) with efficiencies up to 99.9% and nominal (two-layer needle felt filter material) rated filter bags
- Conical cap seal
- Fits into standard restrainer baskets

- Reduces maintenance costs due to longer lifetime
- Material is free from craterforming substances (such as silicones etc.)^{1*}

Filter specifications

Materials

PO: Polypropylene
PE: Polyester
PG: Fiber glass

Seal ring

Beato welded polypropylene / polyester seal ring

O-rings (option)

NBR, Silicone, EPDM, Viton

Retention ratings

Absolute:

PO: 1,5,10 µm
PE: 1,5,10,25 µm
PG:1,5,10,25 µm

Nominal :

PO: 1, 5, 10, 25, 50,100, 200 µm
PE: 1, 5, 10, 25, 50,100, 200 µm

Dimensions / Parameters

Sizes

01: Ø 178 x 350 mm
02: Ø 178 x 700 mm

Filter area

01: 1.1 m²
02: 2.2 m²
02: 3.2 m² (only for fiber glass)

Max. differential pressure^{2*}

2.5 bar

Recommended change-out pressure drop for disposal^{3*}

≈ 0.8 to 1.5 bar

Maximum operating temperatures

PO: < 90 °C
PE: < 140 °C
PG: < 90 °C

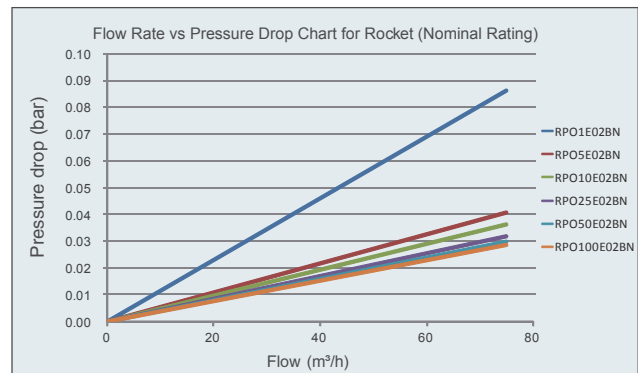
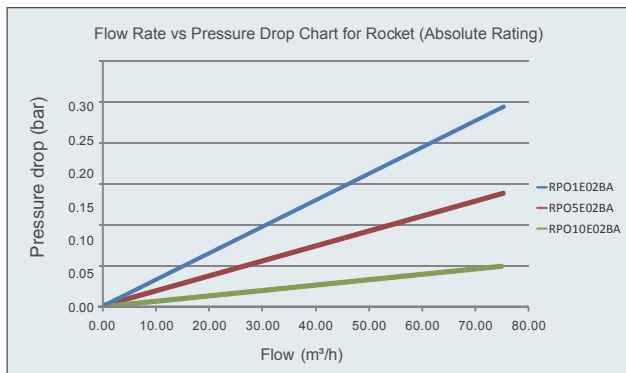
Recommended flow rates^{4*}

Refer to the flow rate vs pressure drop chart

■ Rocket Bag Type Filter Cartridge Range

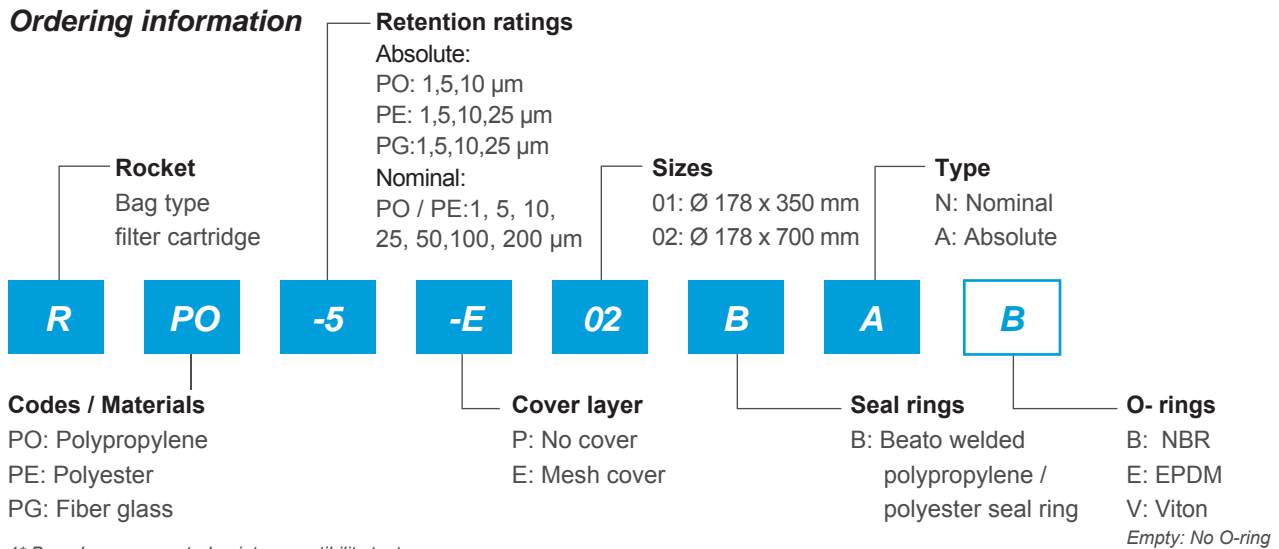
Retention ratings

Rocket	Codes	Materials	Retention ratings (µm)							Sizes		Max. operating temperatures (°C)	
			1	5	10	25	50	100	200	01	02		
Nominal	RPO	Polypropylene	■	■	■	■	■	■	■	■	■	■	< 90
	RPE	Polyester	■	■	■	■	■	■	■	■	■	■	< 140
Absolute	RPO	Polypropylene	■	■	■					■	■	< 90	
	RPE	Polyester +Fiber glass	■	■	■	■				■	■	< 140	
	RPG	Fiber glass+ Polypropylene	■	■	■	■				■	■	< 90	



Note: Test components is RPO series

Ordering information



1* Based upon accepted paint compatibility test

2* Max. DP tested with basket in liquid filtration conditions

3* Depending on customer's application requirements

4* For fluids with a dynamic viscosity of 1 mPa·s @ 20 °C

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