



RTEC™ P Series Filter Cartridges

Rigid Resin Bonded Filters

RTEC P Series filters feature a polyester fiber/phenolic resin construction that produces an extremely rigid pore structure. This construction allows the filter to withstand extremes of viscosity and temperature without compression or collapse. In addition, a true graded density construction allows complete utilization of the filter's depth, with coarse particles captured in the outer zones and finer particles captured nearer the core.

Product Specifications

Media:

Polyester Fiber/Phenolic Resin

Optional End Caps:

Polyester

Multi length bonding agent:

Polyamide Hot Melt

Gaskets/O-Rings:

Buna-N, EPDM, Silicone, Teflon
Encapsulated Viton (O-Rings only),
Viton

Micron rating:

1, 5, 10, 25, 50, 75, 100 µm

Dimensions

Nominal lengths:

9.75", 10", 19.5", 20", 29.25", 30", 39", 40"
(24.8, 25.4, 49.5, 50.8, 74.3, 76.2, 99.1,
101.6 cm)

Outside diameter: 2.45" (6.22 cm)

Inside diameter:

0.98–1.10" (25–28 mm) tapered

Operating Parameters

Maximum operating temperature:*

75 psid @ 68°F (5.2 bar 20°C)

15 psid @ 200°F (1.0 bar 93°C)

for lengths >10" with glued segments

20 psid 220°F (1.4 bar 104°C)

for 10" lengths 200 °F (93°C) in gas

Recommended change-out

pressure: 35 psid (2.4 bar)

*Always check compatibility with the specific process fluid at the specific application temperature.

FEATURES & BENEFITS

- Rigid polyester fiber/phenolic resin construction prevents unloading even at high differential pressures
- Grooved outer surface increases surface area for longer on-stream life
- Available in a wide range of removal efficiencies from 1 to 100 microns
- Available with optional end configurations for installation in most housings
- No metal or plastic cores for easier disposal
- Broad chemical compatibility

TYPICAL APPLICATIONS

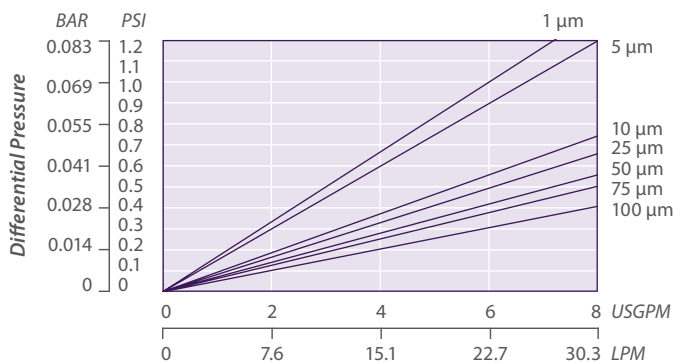
- Paints, Inks
- Sealants
- Adhesives
- Lacquers,
- Varnishes, Shellacs
- Fuel Oils, Crude Oils, Grease
- Machine Coolants
- Silicones
- Antifreeze
- Plasticizers
- Animal Oils

RTEC P NOMENCLATURE INFORMATION

Product Series	Retention Rating (microns)		Length (inches)		End Configuration	Gasket or O-Ring
RTEC P Series	1	50	-9.75	-29.25	P Double Open End	B Buna-N
	5	75	-10	-30	P2 226/Flat Single Open End	E EPDM
	10	100	-19.5	-39	P3 222/Flat Single Open End	N None
	25		-20	-40	P7 226/Fin Single Open End	S Silicone
				P8 222/Fin Single Open End	T Teflon encap. Viton (O-Rings only)	
				N None	V Viton	
Example: RTEC P 5-20NN						
RTEC P	5		-20		N	N

RTEC P FLOW RATE

Typical Flow Rate Clean Water at Ambient Temperature (per 10" cartridge)



For liquids other than water, multiply pressure drop by the fluid viscosity in centipoise

For chemical compatibility, flow rates, and temperature requirements please consult the factory or your local Graver distributor.

FOR MORE INFORMATION

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