

Rizonflow® RFP High Flow Filter Cartridge

Innovative technology and advanced design provide Rizonflow® RFP High Flow Filter Cartridge reliable and consistent filtration performance. When compared to conventional cartridge systems, 6 inch large diameter enables Rizonflow® RFP High Flow Filter Cartridge to handle upto 300gpm (70m3/hr) flowrate in a single cartridge, which significantly reduces the capital investment cost and housing diameter, eventually saves valuable plant space.

Out-side-in radial pleat design results in a high usable filtering surface area per filter cartridge.

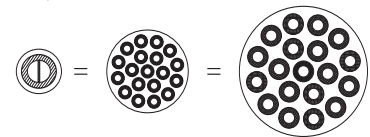
Manufactured under ISO9001 quality system, Rizonflow provides more cost-effective benefits from long service life.



Features & Benefits

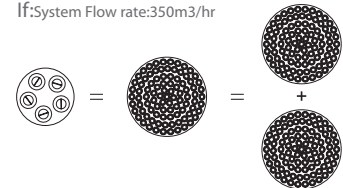
- Highflow Capacity 70m3/hr**
 Fewer cartridges to accommodate whole system flowrate
 Minimize filter cartridge usage
 Significantly save housing size. (See figure 1)
 Save capital investment
 Save plant footprint
 Save replacement labor cost
- Pleated type design**
 Extend the usable filter surface area
 High dirty holding capacity
 Extend longer life time
 Save maintenance cost
- Polypropylene media construction**
 Allow to use in both aqueous and non-aqueous fluid application
 Applicable in food and beverage processing that requires direct food contact
 High-quality media allows uniformly and evenly distributing the fluid
- Supporting core**
 Enables horizontal housing design
 Results in easier replacement and lower labor cost
- Inserted O-ring & handle design on the cap**
 Perfect sealing
 No special tools are required for filter change-out
 Saving system downtime
 Easy installation and removal
 Saving labor cost

If: System Flow rate: 70m3/hr



Rizonflow	Common Pleated	Common Meltblown
Qty: 1	Qty: 19	Qty: 38
Housing: 220mm	Housing: 400mm	Housing: 550mm

If: System Flow rate: 350m3/hr



Rizonflow	Common Pleated	Common Meltblown
Qty: 5	Qty: 93	Qty: 186
Housing: 550mm	Housing: 850mm	Housing: 850mm (2)

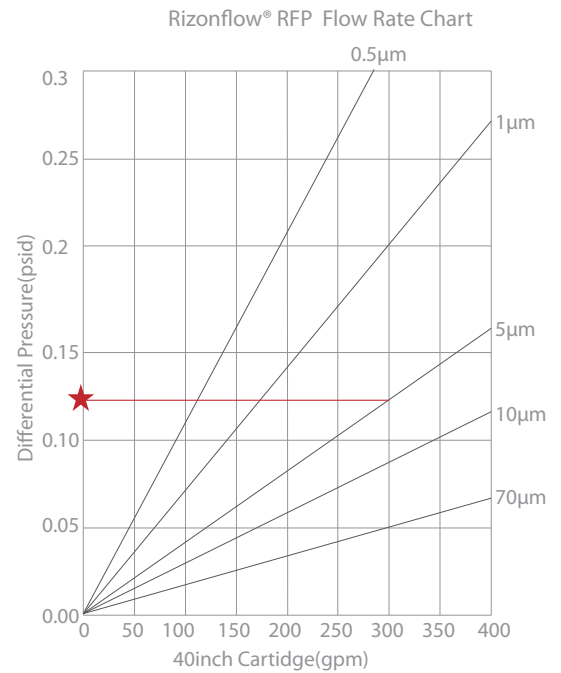
When compared to conventional cartridge systems, Rizonflow® RFP High Flow Filter Cartridge saves housing footprint significantly.

Application

- RO Backflush Filtration
- Pharmaceutical (process water)
- Waste Water
- Municipal Water
- Electronics Industry
- Iron Industry
- RO Prefiltration
- Food & Beverage (process water)
- UF Cleaning/Backflush Filtration
- Chemical Industry
- Petrochemicals Industry

Specification

Specification	
Micron Rating (Nominal)	0.5, 1, 5, 10, 70µm
Diameter	
Outside Diameter	6inch / 152mm
Inner Diameter	3.5inch / 89mm
Length	40inch / 1016mm
Surface Area	60ft ² / 5.6m ²
Material of construction	
Filter Media	Polypropylene
Core Material	Polypropylene
End Cap Material	Glass Filled Polypropylene
Support layer Material	Polypropylene
Gasket/O-ring Material	EPDM
Recommended Operating Conditions	
Recommended Replacement differential pressure	11.5-17psid / 0.8-1.2bar
Maximum Temperature	180°F / 82°C
Maximum Flowrate	300gpm / 70m ³ / hr



Rizonflow®RFP Filtration Features

Code	Nominal Rating	Media	Removal Rating (Microns) at Efficiency					Flow Factor*[PSID/GPM]
			90%	95%	98%	99%	99.9%	
RFP005	0.5	Polypropylene	0.5	1	2	5	10	0.003
RFP010	1	Polypropylene	1	3	7	10	30	0.0007
RFP050	5	Polypropylene	5	10	20	30	50	0.0004
RFP100	10	Polypropylene	10	30	50	60	90	0.0003
RFP700	70	Polypropylene	70	80	100	130	150	0.0001

*Flow factor refers to filter cartridge with 40inch length

Ordering Information

RF	P	050	—	40	N	P	X-L
↓	↓	↓		↓	↓	↓	↓
Cartridge Designation	Media P=Polypropylene	Removal Rating 005 - 0.5µm 010 - 1µm 050 - 5µm 100 - 10µm 700 - 70µm		Elements Length 40=40inch	Removal Rating Type N=Nominal	Core Material P=Polypropylene	Product Code