### Rizonflow+® RFPA High Flow Filter Cartridge

Rizonflow+® RFPA High Flow Filter Cartridge handles upto 300gpm 70m3/hr flowrate in a single cartridge, and perfect for applications where absolute particle removal is required. High Flow Capacity of the cartridge significantly reduce the capital investment cost and housing diameter, eventually saves valuable plant space and labor replacement cost. This proprietary, large diameter, disposable filter system enable longer lifetime and easy filter replacement which ensure fewer system breakdowns and maintenance cost.

#### Features & Benefits

- Continuously graded pore structure of the filter capture contaminants throughout the media, therefore improved dirt-holding capacity
- · Excellent compatibility with a variety of fluids
- Absolute Rating from 0.5 micron to 100 microns
- · Ideal for removing deformable particles or gels from process fluids
- Extended core option eliminates the need for expensive housing hardware and allows for quick and easy cartridge change-out
- True depth filtration minimize downtime for equipment repair or replacement, to further maximize profitability
- Safe, easy incineration and disposal
- Environmental Friendly

#### Application

- Condensate filtration during plant start-up
  Wastewater
- Power generation
- Combined cycle condensate
- Coolants

- Potable Water Electronic Industry
- EDI Per-filtration
- Reverse Osmosis Pre-filtration

## Specification

Absolute Filtration Ratings					
Polypropylene -	0.45, 1, 2,5, 10, 20, 40, 70μm				
Cellulose -	10, 15, 25, 100, 150μm				
Material of construction					
Filter Media	Polypropylene				
Core Material	Polypropylene				
End Cap Material	Glass Filled Polypropylene				
Support layer Material	Polypropylene				
Gasket/O-ring Material	EPDM				

Diameter					
Outside Diameter	6inch / 152mm				
Inner Diameter	3.5inch / 89mm				
Length	40inch / 1016mm				
Surface Area	60ft <sup>2</sup> / 5.6m <sup>2</sup>				
Recommended Operating Conditions					
Recommended replacement differential pressure	11.5-19psid / 0.8-1.2bar				
Maximum Temperature	180°F / 82°C				
Maximum Flowrate	300gpm / 70m³/hr				

Rizonflow+® RFPA Filtration Features								
Code	Absolute	Media	Remo	oval Rating(M	Flow Factor*[PSID/GPM]			
R	Rating		99.98%	99.9%	99%	98%		
RFP0045	0.45	Polypropylene	0.45	0.3	< 0.2	-	0.068	
RFP010	1	Polypropylene	1	0.8	0.45	<0.2	0.026	
RFP020	2	Polypropylene	2	1.5	0.8	0.2	0.01	
RFP050	5	Polypropylene	5	4	1	0.45	0.008	
RFP100	10	Polypropylene	10	7	2	0.5	0.0032	
RFP200	20	Polypropylene	20	13	4	2	0.002	
RFP400	40	Polypropylene	40	22	7	3	0.001	
RFP700	70	Polypropylene	70	52	22	15	0.0008	
RFP100	10	Cellulose	10	8	2	1	0.003	
RFP150	15	Cellulose	15	10	3	2	0.002	
RFP250	25	Cellulose	25	20	5	3	0.0002	
RFP1000	100	Cellulose	100	85	10	5	0.0001	
RFP1500	150	Cellulose	150	100	30	15	0.00005	

\*Flow factor refers to filter cartridge with 40inch length

# **Ordering Information**

RF	Р	050 —	40	E	А	Р
♥	*	*	¥	*	★	*
Cartridge Designation	Media P=Polypropylene C=Cellulose	Removal Rating 0045=0.45µm 010=1µm 020=2µm 050=5µm 100=10µm 150=15µm 200=20µm 250=25µm 400=40µm 700=70µm 1000=100µm	Elements Length 40 =40inch	O-ring Material E= EPDM N=Buna-N rubber S= Silicon rubber V= Fluororubber	Removal Rating A=Absolute Removal Rating	Core Material P=Polypropylene