

Internal pressure large flow filter cartridge

EPD Series

EPD series high-flow filter cartridge adopts 6" large diameter structure with one-way opening. The liquid flows from the inside to the outside to ensure that the particles are intercepted inside the filter cartridge. It is made of high-purity polypropylene filter material and support layer by hot-melt welding. Without any adhesive and other additives, with extremely low levels of extractables. Wide chemical compatibility is suitable for filtration needs in various fields.

Features

- Super large filter area, Large dirt holding capacity, Small running resistance
- All PP material is suitable for a variety of fluid filtration
- High precision and continuous and stable filtering effect
- Skeleton reinforced structure has higher pressure difference resistance
- Easy to operate and small area

Technical Parameters

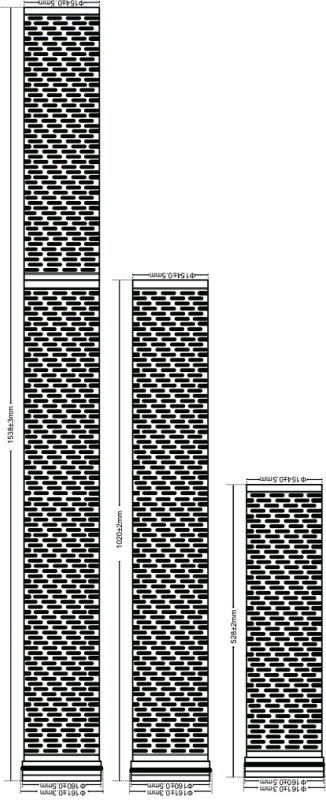
Length	10" 20" 40" 60"
Outer diameter	154mm
Filter material	Polypropylene (PP) 、Glass fiber (GF)
Cage	Polypropylene (PP) 、Glass fiber (GF)
Material of Sealing O-ring	EPDM、Red silicone、Buna-N
Removal Rating	0.5µm、1µm、3µm、5µm、10µm、20µm、50µm、100µm

Operating conditions

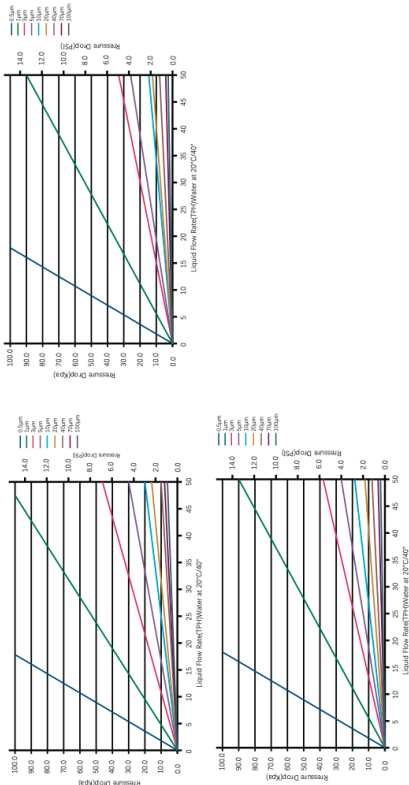
Maximum working temperature	Polypropylene (PP) 82°C Glass fiber (GF) 121°C
Maximum working pressure drop	Polypropylene (PP) 3.4bar Glass fiber (GF) 3.4bar
Recommended pressure drop for filter cartridge replacement	2.4Bar@20°C
Flow direction	From inside to out
Maximum Flow rate	20" 24m³/H 40" 48m³/H 60" 72m³/H

QC

- Compliant with FDA-21 CFR standard, can be used in food and beverage processing
- Passed the acceptance standard of DL / T 1866-2018 National Energy Administration
- Strictly implement the ISO9001:2015 quality management system



Flow vs Pressure Drop Diagram



Ordering Information

Series	Membrane material	Removal Rating	Appearance	Length	Material of seal O-Ring	Center pole
EPD	P=PP	050=0.5µm	A=Binding type	10=10"	S=Silicon	A=PP Skeleton
	G=GF	100=1µm	B=Skeleton type	20=20"	E=EPDM	G=GF Skeleton
		300=3µm		40=40"		C=None
		500=5µm		60=60"		
		1000=10µm				
		2000=20µm				
		10000=100µm				