

Outside pressure large flow filter cartridge

EFD Series



The inner frame of EFD series PHOSPHOR style large flow filter cartridge is made of glass fiber reinforced polypropylene material, wrapped with nylon plastic woven mesh. The deep filter structure can effectively intercept impurity particles of different sizes. Strong compression resistance , good chemical compatibility , wide application fields.

Features

- Super large filter area/ Large dirt holding capacity/ Small running resistance
- Strong compression resistance and good chemical compatibility
- Multi-layer gradient pore size design, continuous and stable filtration effect
- Economical and practical to save investment costs

Technical Parameters

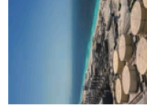
Length	40"
Outer diameter	163mm
Filter material	Polypropylene (PP) 、 Glass fiber (GF)
Cage	Polypropylene (PP) 、 Glass fiber (GF)
Design flow	8-9 m³/h
Material of Sealing O-ring	EPDM、 Red silicone、 Buna-N
Removal Rating	0.5µm、 1µm、 3µm、 5µm、 10µm、 20µm、 50µm、 100µm

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) 121°C
Recommended pressure drop for filter cartridge replacement	2.48bar,20°C
Flow direction	From outside to inside
Maximum Flow rate	40"70m³/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



Seawater desalination

Marine desalination equipment
Desalination system for drilling platform
Large-scale desalination system



Industrial water treatment

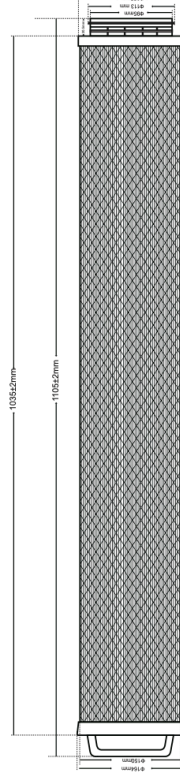
ROSecurity filtering system
Purification of water for various processes



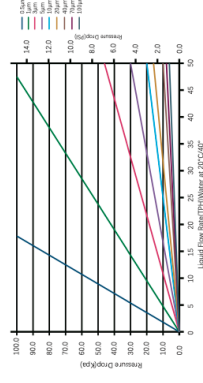
The pharmaceutical industry

Equipment for pharmaceutical water
Biological agent purification water equipment
GMP purified water system for medical use

Dimensions



Flow vs Pressure Drop Diagram



Ordering Information

EFD Series	P	050	A	40	S	A
Membrane material	P=PP G=GF	Removal Rating	Appearance	Length	Material of seal O-Ring	Center pole
EFD		050=0.5µm 100=1µm 300=3µm 500=5µm 1000=10µm 2000=20µm 10000=100µm	A=Woven mesh	40=40"	S=Silicon E=EPDM N=Buna-N	A=Skeleton G=GF Skeleton