

# Ultra-high dirt holding capacity multi-layer gradient pleated filter cartridge (PP) EDP Series

Eternalwater EDP Series--adopts multi-layer ultra-fine polypropylene fiber membrane structure, and the polypropylene fiber membrane has characteristic of gradient pore size. Particles can be intercepted step by step to achieve deep filtration. At the same time, the dirt holding capacity is greatly improved, which is suitable for the filtration of high suspended particles, colloidal substances, and high viscosity liquids.



## Product Features

- High dirt holding capacity and long service life
- Gradient pore, gradient retention
- Efficient particle interception rate, protection of terminal sterilization and filtration
- Pure polypropylene material, widely chemical compatibility
- No fiber shedding, economical and practical

## Typical Application

- Pre-filtration of Colloidal material
- Liquid filtration of high viscosity
- Filtration of culture media
- Filtration of fermentation solution
- Pre-filtration of blood products

## Product Specification

Filter Material	Polypropylene fiber membrane
Center core / Housing / End cap Material	Polypropylene
Cage material	Polypropylene
Vent O-ring Material	Silicone/ EPDM/ Viton
Filtration area	≥0.5m <sup>2</sup> /10inch
Maximum working temperature	80°C
Maximum working pressure difference	4.2bar@23°C (forward direction) 2.4bar@80°C (forward direction)
Sterilization	126°C/30min; high pressure steam sterilization; ≥30times
Endotoxin	< 0.25EU/mL
Extractable matter	< 30mg/10inch
Biocompatibility	All materials comply with biosafety evaluation of plastic USP<88>, ClassVI-70°C level

## Ordering Information

### EDP 1 2 3 4 5

#### Block 1

Code	Removal Rating
010	0.10µm
020	0.20µm
045	0.45µm
065	0.65µm
100	1.00µm
500	5.00µm

#### Block 2

Code	End Cap Type
J1	222/Fin
J2	222/Flat
J3	226/Fin
J4	226/Flat
J5	DOE

#### Block 3

Length
05inch
10inch
20inch
30inch
40inch

#### Block 4

Code	O-ring Seal Material
S	Silicone
E	EPDM
V	Viton

#### Block 5

Code	Cage Material
A	Polypropylene
B	PP Cage material + End cap type lined with stainless steel