

# Outside pressure large flow filter cartridge EYD Series



The EYD series has a large flow rate of up to 6.7 inches and a large diameter structure with a high-strength polypropylene support frame inside, and a polypropylene mesh or PP frame for external support. The effective filtration area is greatly increased, the dirt holding capacity can be increased, the number of filter cartridges and the size of the shell can be reduced, and the input cost can be saved.

## Features

- Double O-ring design ensures sealing reliability
- 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", 60"                               |
| Outer diameter             | 6.75" (172mm)                          |
| Inside diameter            | 2.99" (76mm)                           |
| 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<br>Glass fiber (GF) 121°C    |
| Maximum working pressure drop                              | Polypropylene (PP) 3.4bar<br>Glass fiber (GF) 3.4bar |
| Recommended pressure drop for filter cartridge replacement | 2.0Bar@20°C                                          |
| Flow direction                                             | From out 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



### The thermoelectric industry

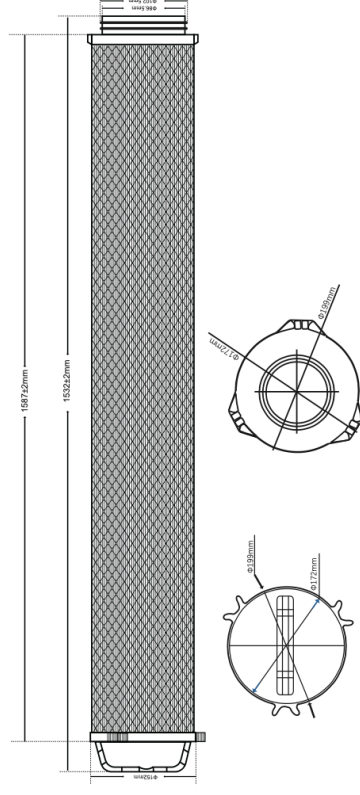
Boiler make-up water system  
Steam cooling water system  
Condensate finishing system  
Heat network backwater treatment system



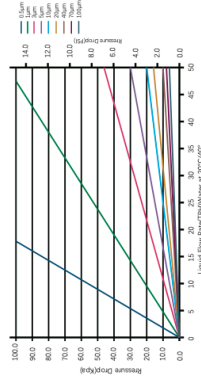
### Petrochemistry

Chemical paint  
Paint production  
Oil is injected with water  
Treatment of produced water  
Condensate treatment process

## Dimensions



## Flow vs Pressure Drop Diagram



## Ordering Information

| EYD | Series | Membrane material | Removal Rating                                                                      | Appearance                    | Length           | Material of seal O-Ring         | Center pole   |
|-----|--------|-------------------|-------------------------------------------------------------------------------------|-------------------------------|------------------|---------------------------------|---------------|
| EYD |        | P=PP              | 050=0.5μm<br>100=1μm<br>300=3μm<br>500=5μm<br>1000=10μm<br>2000=20μm<br>10000=100μm | A=woven mesh<br>B=PP skeleton | 40=40"<br>60=60" | S=Silicon<br>E=EPDM<br>N=Buna-N | A=PP Skeleton |