

## Backwashable string wound filter cartridges E70D-L Series



E70D-L series string wound filter cartridges are generally used in the condensate polishing system of power plants. The condensate polishing powder resin covered filter requires stable operation at a relatively high temperature. Its high strength can fully withstand the instantaneous high-pressure impact generated during resin bursting and backwashing. The filter cartridge is controlled by computer, and it is made by winding PP cotton thread or absorbent cotton thread precisely on 304 stainless steel porous skeleton. Ensure that the filter cartridge does not deform, avoid fiber shedding, and ensure the safe operation of the system.

### Features

- High mechanical strength can withstand high filtration pressure
- Fiber special process to effectively avoid fiber shedding
- Stainless steel inner support can withstand higher temperature
- Low initial pressure difference and high flow rate
- Wide range of standard connectors available

### Technical Parameters

Length	60° (1524mm) , 70° (1778mm)
Outer diameter	50mm, 64mm
Filter material	Polypropylene (PP) , Absorbent cotton, Glass fiber (GF)
Skeleton stainless steel ( 304/316L )	
Design flow	8-9 m³/h
Connector	Bottom structure: M33 * 1.5 connecting thread/ M33 * 1.5 connecting thread / G33 * 2 connecting thread (60 ° ) Top structure:M8 thread/ M10 thread/ M6 thread ( 60 ° )
Removal Rating	1μm, 5μm, 10μm

Maximum working temperature	82°C @ (Polypropylene) 120 °C @ (Absorbent cotton) 180 °C @ (Glass fiber)
Maximum working pressure drop	3.4bar@20°C
Recommended pressure drop for filter cartridge replacement	2.4Bar@20°C
Recommended backwash pressure drop	≤0.9bar
Backwash water volume	0.5m³/pcs
Backwash gas volume	3.4-4.5m³/h

### Operating conditions



New Energy  
Production of battery slurry



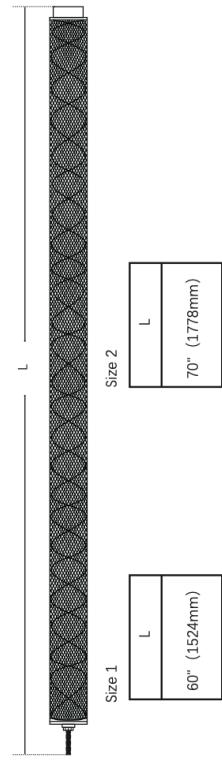
The thermoelectric industry  
Boiler make-up water system  
Stator cooling water system  
Condensate finishing system  
Heat network backwash treatment system



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

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

### Dimensions



### Ordering Information

Series	Membrane material	Removal Rating	Length	Bottom Connector	Top Connector	S
E70D-L	P=PP B=Absorbent cotton G=GF	100-1μm 500-5μm 1000-10μm	60=60" 70=70"	A=M33*1.5 B=G33*2 C=G1"	08=M8 10=M10 06=M6	S=30Skeleton L=316Skeleton

### Boiler feedwater system

