

Liquid filter bag

ELD series

ELD series liquid filter bags are made of high-quality polypropylene, polyester, nylon, etc. as filter materials and are produced according to specific working conditions and application requirements. The surface can be sirged, calendered or coated to effectively prevent fibers from falling off and contaminating the filtrate. The fluffy and uniform three-dimensional filter layer has extremely high capturing power for solid and colloidal particles. The high-strength long fibers make the filter bag have stable filtration efficiency and longer service life. It has the characteristics of high interception rate, strong dirt holding capacity, large flow rate and high pressure resistance. Widely used in liquid impurity removal and filtration in various industries.

Features

- Various materials and sizes available
- Widely chemical compatibility
- Can be used for filtration of various fluids
- Economical and efficient filtration products

Technical Parameters

Bag No. 1	φ180 × L 430mm S≈0.25m ²
Bag No. 2	φ 180 × L 810mm S≈0.5m ²
Bag No. 3	φ 105 × L 230mm S≈0.09m ²
Bag No. 4	φ 105 × L 380mm S≈0.16m ²
Bag No. 5	φ 150 × L 520mm S≈0.3m ²
Filter material	PP (polypropylene) PET (polyester) Nylon (nylon) PTFE (polytetrafluoroethylene)
Removal Rating	1 μm , 5 μm , 10 μm , 20 μm , 30 μm , 50 μm , 100 μm
Ring material	polypropylene、stainless steel
Ring type	eversion interface (F) inversion interface (G) steel ring(O)
Production process	hot melt and sewing

Operating conditions

Maximum working temperature	polypropylene (PP) 60 °C
Maximum working pressure drop	Polypropylene (PP) 3bar
Recommended pressure drop for filter cartridge replacement	1.5 Bar, 20°C
Flow direction	From outside to inside

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



ROSecurity filtering system
Purification of water for various processes



Industrial water, electroplating filtration



Ink filtration

Paint, paint filtration

Production process & ring type



Mesh number accuracy comparison table

Comparison table of mesh and pore size (μm) commonly used in China

	(mesh)	(μ m)	(mesh)	(μ m)	(mesh)	(μ m)	(mesh)	(μ m)
2.5		7925	12	1397	60	245	325	47
3		5880	14	1165	65	220	425	33
4		4599	16	991	80	198	500	25
5		3962	20	833	100	165	625	20
6		3327	24	701	110	150	800	15
7		2794	27	589	130	83	1250	10
8		2362	32	495	200	74	2500	5
9		1981	35	417	250	61	3250	2
10		1651	40	350	270	53	12500	1

Ordering Information

ELD	Series	Membrane material	Removal Rating	Interface Type	Filter bag size	Interface material	Sealing technology
ELD		P=PP E=PET N=Nylon T=PTFE	050=0.5μm 100=1μm 300=3μm 500=5μm 1000=10μm 2000=20μm 10000=100μm	F= Eversion G=Inversion O=steel ring	01= φ180× L 430mm 02= φ 180× L 810mm 03= φ 105× L 230mm 04= φ 105× L 380mm 05= φ 150× L 520mm	P=Polypropylene B=Stainless steel	H=hot melt S=Sewing