

UCB series

Description:

UCB can be folded backwashing filter is the most widely used at home and abroad, the condensate fine treatment pre filter core, the filter using imported high-precision absolute accuracy of polypropylene filter membranes made of interface are all made of hot melt welding forming, without any additives, adhesives and surfactant, to ensure the filter of high precision, high flux, high strength, low dissolution and low starting pressure difference, filter structure using 40 inch and 30 inch frame welding type, reduced the number of filter frame welding interface, increase the strength of the filter element, to reduce the risk of leakage. At the same time, the filter area of the filter core is further increased. It is easy to install by thread connection, with large filtering area, high contamination amount, low running resistance, reusability of backwash, reduction of pressure and large flow rate. It can effectively remove suspended impurities such as iron and copper oxide in condensate water, protect expensive resin from pollution, and extend the running cycle of fine treatment system. The filter elements with different precision can be used to start and run stage of condensate water treatment in power plant respectively.

Features:

The special structure can provide more than 200 times of backwash

Specially strengthen the skeleton, high strength structure, solve the problem of interface cracking

Two - piece welding, the fewest hot weld, more stable overall performance, long life, low leakage risk and other advantages

Perfect combination of high pollution capacity, large filtration area and long service life

The imported filter materials provide high retention efficiency and larger pollution load, with less resistance

Multiple thread interface configuration connection, easy to install, perfect match to existing filters

Application area:

Prefiltration of condensate treatment in power plant

Petrochemical water treatment desalination, iron removal

RO security filtration, seawater desalination pretreatment

Filtration of raw material liquid, solvent and water in biological pharmaceutical industry

Chemical industry, microelectronic related filtration

Technical parameters:

Outer diameter	2.5 "
Filter area	6.5m ² /70 "
The filter material	polypropylene
Support materials	polypropylene
Filtration precision (μm)	1,5,10,20
Entrapment efficiency	99.9%
Filter length	70 "
Interface adaptation code	连接螺纹 1 1/2 "-12 (内螺纹), M33×1.5 (外螺纹), C3=M38×2, 尾端螺纹 M6, M8, M10, 3/8 (可定制)
Internal skeleton material (center rod)	Reinforced polypropylene
End cover material	Reinforced polypropylene
External skeleton material (shell)	Reinforced polypropylene
Maximum operating temperature	85℃
Maximum operating pressure differential (60℃)	3.0bar
Maximum reverse pressure	2.1bar

difference (21℃)	
Recommended water flow (m ³ /h)	3.9-4.5
Amount of backwash water and gas	Under the pressure of 1.36-2.1bar, the backwash amount of each filter core is 0.45-0.65m ³ /h, and the backwash volume is 3.4-5m ³ /h, both of which can achieve the ideal backwash effect
The water quality	<2000PPb
Single maximum flow (m ³ /h)	5.6
note:	It is recommended to select a filter element with accuracy of 10μm when debugging

Order information:

Series no.	Core diameter	Filter material	Filtration precision	Filter length	Connection thread	End of thread
UCB	2.5 "	PP=polypropylene	0100=1μm 0500=5μm 1000=10μm 2000=20μm	70=70 "	C1=1 1/2 "-12 C2=M33×1.5 C3=M38×2	E1= M6 E2=M8 E3= M10 E4= 3/8