

UHB series

Description:

UHB series large-flow folding filter core adopts a large diameter structure of 6.5 inches, with extremely high filtering area and pollution capacity, which can be used for a variety of flow requirements. The internal structure has high strength polypropylene support to prevent deformation of the filter material, and the external support is divided into two kinds of structures, namely integrated polypropylene framework and polyester filter net. With good high temperature resistance and wide chemical compatibility, the filter and filter system has the advantages of high flow, small size and low investment. The inner filter core is made of polypropylene, and the end cover and filter layer are welded by hot melt. There is no adhesive present. The filter core will not cause secondary pollution to the filter separation medium during the whole process of use.

Features:

Proprietary folding technology that maximizes the filtering area within a limited space

When the fluid passes through the filter core, each unit area has the fluid through, ensuring that the contact area is fully converted to the effective filtration area

High porosity increases the volume of impurities and ensures that impurities are trapped inside the filter

Deep three-dimensional filtering effect, compound deep interception, the larger particle impurities are trapped on the surface of the fiber, and the fine particles are captured in the deep layer of the filter material, forming gradient filtration

Handle humanized design, easy to install and replace, no special tools

Application area:

Filtration of condensate water in power plant

RO security filtration, seawater desalination pretreatment

Filtration of API, solvent and water in biological pharmaceutical industry

Process water treatment of food and beverage

Technical parameters:

Outer diameter	6.5 " (165mm)
Filter area	6.5m ² /40 "
Sealing ring material	Fluorine rubber, silicon rubber, nitrile rubber, ethylene - propylene rubber
The filter material	Deep folding polypropylene, polyester, Resin synthetic glass fiber/polyester
Support materials	Thermosetting polypropylene non-woven material
Filtration precision (μm)	0.1,1,5,10,20,50, 70,100
Entrapment efficiency	99.9%
Filter length	20 " , 40 " , 60 "
Interface adaptation code	a glyph, a cross
Internal skeleton material (center rod)	Enhanced polypropylene
End cover material	Enhanced polypropylene
External skeleton material (shell)	Enhanced polypropylene/polyester mesh
Maximum operating temperature	82°C
Maximum operating pressure differential	3.44bar
Recommended pressure differential for filter element replacement (20°C)	2.5bar

Maximum filtration (m3/h)	40 "filter element is 80
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Order information:

Series no.	Core diameter	Filter material	Filtration precision	Filter length	Appearance and structure	Sealing ring material	Interface form
UHB	6.5 "	PP=polypropylene	0010=0.1μm			V=fluorine rubber	
		PET=polyester fiber	0100=1μm	20=20	S=coat plastic net	S=silicone rubber	O=agonal
		GF=resin synthetic glass fiber/polyester	0500=5μm	40=20	G reinforced skeleton	N=nitrile rubber	C=cruciform
			1000=10μm	"		E=ethylene propylene rubber	
			2000=20μm	"			
			5000=50μm	60=60			
			7000=70μm	"			
			10000=100μm	"			