

UHA series

Description:

UHA series large-flow foldable filter core adopts a 6-inch large diameter structure, with extremely high filtration area. The fluid flows from the outside to the inside, which has a high-strength polypropylene support framework to prevent deformation of the filter material. The external support is divided into two structures: the integrated polypropylene framework and the polyester filter network. 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:

RO security filtration, seawater desalination pretreatment and water filtration of various processes

Condensate water, supply water, cooling water filtration

Filtration of API, solvent and water in biological pharmaceutical industry

Filtration of various solvents, cold water, salt water and other chemicals in the petrochemical industry

Technical parameters:

Outer diameter	6 " (152.4mm)
Filter area	6m ² /40 "
Sealing ring material	Fluorine rubber, silicon rubber, nitrile rubber, ethylene - propylene rubber
The filter material	Deep folding polypropylene, polyester, resinous synthetic glass fiber/polyeste
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 "
Interface adaptation code	Single/double seal gasket
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	Filtering material	Filtration precision	Filter length	Appearance and structure	Sealing ring material	Interface form
UHA	6 "	PP=polypropylene PET=polyester fiber GF=resin synthetic glass fiber/polyester	0010=0.1μm 0100=1μm 0500=5μm 1000=10μm 2000=20μm 5000=50μm 7000=70μm 10000=100μm	20=20 " 40=40 "	S=coat plastic net G reinforced skeleton	V=fluorine rubber S=silicone rubber N=nitrile rubber E=ethylene propylene rubber	S=single seal gasket D=double seal gasket