High-flow water filter cartridge

Long service life, high dirt-holding capacity, all polypropylene material

Filter cartridge customized according to specific requirements (OEM/ODM)

- RO security filtration
- Power plant condensate
- Biopharmaceutical industry
- Petrochemical industry

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Product Description Equipment Performance Equipment Advantage Technical Parameter Product Display Customer Cases

Product Description

Replacement 3M high flow cartridges are made of deep fine polypropylene or glass fiber membrane as filter media, with a large diameter of 6.5 inches / 165mm, no center rod, unidirectional opening, and specially designed to flow the liquid from the outside to the inside, ensuring that all contaminant particles are trapped outside the cartridge. The ultra-high flow rate design allows for a significant reduction in the use of cartridges and filters for the same flow rate application, resulting in significant savings in equipment investment costs and labor costs.

INQUIRY

Applications	RO pre-filtration, seawater desalination pretreatment, power plant condensate filtration, biopharmaceutical industry API, solvent, water filtration, etc.
Filtration media	Water suspended matter, particulate matter, water dirt, bacteria and algae, rust, etc.

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Product Features

1. The combination of surface filtration and deep filtration can significantly reduce the number of cartridges and significantly reduce the size of the supporting filter shell compared with ordinary cartridges.
2. The combination of surface filtration and deep filtration can significantly reduce the number of cartridges and significantly reduce the size of the supporting filter shell compared with ordinary cartridges.
3. The design of convenient handle significantly reduces the time of cartridge replacement and makes cartridge replacement simple and portable.
4.The overall polypropylene design and hot melt welding treatment effectively prevent the end cap from falling off and secondary pollution.
5. The design of sealed interface reduces the risk of bypass flow and ensures the sealing and reliability of filtration.
6. The folded design increases the filtering area and makes the pressure drop significantly lower than that of ordinary cartridge.
7. The design of large diameter increases the dirt holding capacity, prolongs the service life and reduces the production cost.

Application:
Industrial - Municipal Water, RO Prefiltration, Reclaimed Water, Coolants, Nozzle Protection, Boiler Condensate Chemical - Quench Water, Aqueous Salt Solutions, Final Products Petrochemicals - Waterflooding, Produced Water, Enhanced Oil Recovery, Completion Fluids, Amine Sweetening, Final Products Electronics - RO Prefiltration, Process Water Food & Beverage - Process Water Pharmaceutical - Process Water

Product Advantages

Installation

Easy installation
Compact structure, easy to move, convenient maintenance, smooth operation.

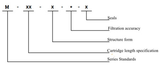
Sealed interface design,Adopt rubber sealing ring.

Using excellent materials

Ease of use of equipment

Technical parameters

M series high flow cartridge product selection instructions



Series Standards	Cartridge length specification	Structure form	Filtration accuracy	Seals
M-Series	25--20"	Z--Longitudinal ripple	005--0.5μm	S--Silicone Rubber
	40--40"	H--Horizontal ripple	010--1μm	E--EPDM rubber
	60--80"	R--External winding tape	030--3μm	V--Viton
			050--5μm	B--Nitrile rubber
			100--10μm	
			200--20μm	
			400--40μm	
			700--70μm	
			1000--100μm	

Specification of replacement 3M high-flow filter cartridge

Media	
Filter Media	Polypropylene
Support/Drainage	Polypropylene(PP)
End Cap Material	Glass fiber reinforced Polypropylene(PP)
Seal Material	EPDM, Buna-N, Silicone
Size	
Length	20"(508mm), 40"(1016mm), 60"(1524mm)
Outside Diameter	6.5inch (165mm)
Inside Diameter	3 inch (76.2mm)
Filtration Rating	1μm, 3μm, 5μm, 10μm, 20μm, 50μm, 70μm,100μm
Operation conditions	
Max. Operating Temperature	82°C
Recommend ΔP for change-out	2.1~2.4bar
Filtration Area	16inf@60inch,12inf@40inch

Replacement 3M Models	
HF40PF***A01	70-0201-5570-4
HF40PF***B01	70-0201-5572-0
HF40PF***C01	70-0201-5574-6
HF40PF***D01	70-0201-5576-1
HF60PF***A01	70-0201-5600-9
HF60PF***B01	70-0201-5604-1
HF60PF***C01	R70-0201-5606-6
HF60PF***D01	70-0201-5616-5
HF40PF01SA01	70-0201-5832-2
HF40PF005A01	70-0201-5834-8
HF60PF01SA01	70-0201-5846-8
HF60PF005C01	770-0201-5852-0
RHF010EH	70-0201-5863-7
RHF020EH	70-0201-5867-8
RHF030EH	70-0702-5877-4
RHF050EH	70-0201-5556-3
RTMH1HF005E	70-0201-5558-8
RTMH1HF010E	70-0201-5560-5
RTMH1HF020E	70-0201-5563-1
RTMH1HF030E	70-0201-5564-7
RTMH1HF050E	70-0201-5566-2
RTMH1HF070E	70-0201-5569-8

CATALOG VIDEO

Product Display

pictures Ship

Customer Cases

A coal chemical company in Hebei circulating water treatment site
Use: Security filter element
Flow rate: 20t/h

Henan a steel plant use site
Application: RO security filter circulating water treatment
Flow rate: 25t/h

After use by a water treatment company in Anyang
Use: Security filter circulating water treatment
Flow rate: 500m3/h

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