



PHFL SERIES HIGH FLOW FILTER CARTRIDGE PHFL系列大流量滤芯

产品介绍 GENERAL DESCRIPTION

PHFL系列大流量水滤芯采用6"/152.4mm的大直径结构，单端开口，无中心支撑骨架，流体由内向外流动，滤芯主体分为熔喷和折叠两种形式。端盖与滤层采用热熔焊接，无任何粘接剂存在，因此有广泛的化学相容性，可应用多种领域。

PHFL Series High Flow Filter Cartridge is made of diameter 6"(152.4mm), single open end, without inner core, inside to outside flow direction. Filter body have two types: melt-blown and pleated. And pleated filter is divided into two forms: standard and crescent-shaped. End caps and filter layer using hot-melt welding, no bonding agent, with a wide range of chemical compatibility, can be applied to various fields.

产品特性 PRODUCT FEATURES

- 国内唯一一款整体式外骨架
- 过滤系统尺寸最大可减少50%
- 由内到外的流动方向保证所有杂质被截留在滤芯内部
- 渐变孔径的聚丙烯纤维深层滤材，孔径沿流体运动方向逐渐变小，分层次阻截不同粒度的颗粒，因而具有优秀的纳污能力和较低的流动阻力
- Outer cage is one piece, we are the only one in domestic.
- Filtration systems are 50% smaller than typical size system
- Inside to outside flow direction keeps all of the contamination caught.
- Gradient aperture deep polypropylene fiber filter media, aperture along the fluid motion direction becomes smaller, levels intercept different sizes particles, which has excellent dirt holding capacity and low flow resistance.

应用领域 APPLICATION

- 石油化工行业：各种溶剂、急冷水、盐水的过滤
- 发电厂：除铁过滤器滤元，凝结水滤元，定子冷却水等
- 一般工业：各种工艺流体，工艺用水，冷凝水，冷却水，废水处理等
- 食品饮料工业：工艺用水等
- 通用用途：RO保安过滤器，各种工艺用水的净化处理

- Petrochemical: Various solvents, chilled water, brine filtration
- Power Plant: Iron removal filters element, condensate filter element, stator cooling water, etc.
- Industrial: Process fluid, process water, condensed water, coolant, wastewater treatment;
- Food and Beverage: Process water;
- General Purpose: RO Prefiltration, all kinds process water purification.



技术规格 PERFORMANCE SPECIFICATIONS

滤芯尺寸 Dimensions(Nominal)

直径: 6" (152.4mm)	OD: 6" (152.4mm)
长度: 20"、40"、60"	Length: 20"/40"/60"
过滤面积: 7 m ² /40"	Filtration area: 7 m ² /40"

材料结构 Material Of Construction

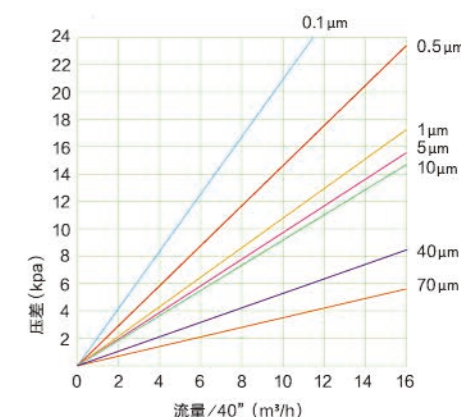
型号	滤材	支撑/导流层	端盖	密封材质
PP	深层折叠聚丙烯	聚丙烯	玻璃纤维增强聚丙烯	丁腈橡胶 乙丙橡胶 氟橡胶
	熔喷聚丙烯		玻璃纤维增强聚丙烯	
GF	树脂合成玻纤/聚酯	聚酯	玻璃纤维增强聚丙烯	

Model	Filter Media	Support/Drainage	End Caps	Seals Material
PP	Pleated Depth Polypropylene	Polypropylene	Glass Fiber Reinforced Polypropylene	NBR EPDM Viton
	Melt blown Polypropylene		Glass Fiber Reinforced Polypropylene	
GF	Glass Fiber/Polyester	Polyester	Glass Fiber Reinforced Polypropylene	

滤芯性能 Filter Performance

过滤精度: 0.1-100μm
 最高操作温度: 折叠/熔喷聚丙烯82°C
 折叠聚酯/玻纤121°C
 最大工作压差(由内向外流动): 折叠/熔喷聚丙烯: 3.44bar@82°C
 折叠玻纤: 3.44bar@121°C
 滤芯更换推荐压差: 2.5Bar@20°C
 建议设计水流量: 40"滤芯: 18 m³/h-25 m³/h; 60"滤芯: 30 m³/h-40 m³/h
 Micron: 0.1-100μm
 Maximum operating temperature: Pleated/melt-blown pp: 82°C
 Pleated glass fiber: 121°C
 Maximum operating differential pressure(Inside to outside flow direction):
 Pleated/melt-blown pp: 3.44bar@82°C;
 Pleated glass fiber: 3.44bar@121°C
 Suggestion pressure for filter replacement: 2.5Bar@20°C
 Suggestion design flow: 40"filter: 15m³/h-25m³/h; 60"filter: 30m³/h-40m³/h

流量特性 Rating Curve



订货编号 ORDERING INFORMATION

PHFL	PP	0500	40	G	E
材质 Material	过滤精度 Micron (μm)	长度 Length(in.)	外观结构 Support	垫片/密封圈材质 Seals	
PP: 聚丙烯 Polypropylene	0010=0.1 μm 0100=1 μm 0500=5 μm	20=20" 40=40" 60=60"	G=加强外骨架 PP Outer Cage M=熔喷芯 Melt-blown B=袋式滤芯 Bag Type	V=氟橡胶 Viton S=硅橡胶 Silicone N=丁腈橡胶 NBR E=乙丙橡胶 EPDM	
PET: 聚酯纤维 Polyester	1000=10 μm 1500=15 μm				
GF: 树脂合成玻纤/聚酯 Glass Fiber/Polyester	2000=20 μm 4000=40 μm 7000=70 μm 10000=100 μm				