



折叠式大流量滤芯 High Capacity Pleated Filter

折叠式大流量滤芯是苏州工业园区拓朴环保净化有限公司开发的新产品。这种滤芯有160毫米的大直径，而且没有中心支撑骨架，一端开口带手柄，一端密封。过滤流体方式为由内到外。滤芯的大直径设计增大了有效的过滤面积，有效的减少了滤芯的使用数量，减小了外壳尺寸。在很多使用行业中由于流量大，过滤寿命长都可以降低投资和人力成本。

The high capacity pleated filter is a new product developed by S.I.P Topology Environmental Protection and Purification Co., Ltd. The filter cartridge has a large diameter of 160 mm and no central support skeleton, one side end with a handle and the another end sealed. Its filtration fluid is from inside to outside. The large diameter design of the filter increases the effective filtering area, which also effectively reduces the number of filter elements used and reduces the size of the housing. In many fields of use, investment and labor costs can be reduced due to its large flow rates and long filter life.

折叠式大流量滤芯

High Capacity Pleated Filter

特点和优点

- 高流量意味着使用更少数量的滤芯，降低劳动力和运行成本；
- 高流量意味着使用更小尺寸的过滤器壳体，降低投资成本，节省占地面积；
- 滤芯的更换更加快速，简便和安全
- O型圈确保过滤器的可靠；
- 选择聚酯（PET）的材质允许产品在水质和非水质的液体内应用；
- 热熔粘接的聚丙烯材质可以防止颗粒释放和卸载；
- 折叠式表面设计使得高流量滤芯的压力降比其他滤芯更低、使用寿命更长
- 允许高流量的介质通过滤芯，具有高效、低压损和长寿命等优点。
- 滤芯的里进外出结构使得滤芯更换容易，同时保持污染物拦截在滤芯的内部。
- 滤芯的无金属结构使得它可以进行完全燃烧、压扁等环保处理。

应用领域

- 反渗透预过滤，海水淡化预处理
- 电厂冷凝水的过滤
- 生物制药行业原料药，溶剂，水的过滤
- 瓶装水，糖液，食用油，果汁，软饮料，牛奶的过滤
- 油漆，涂料，石油化工
- 微电子，胶片，纤维，树脂

技术参数 Specification

过滤材质	Material	PET (聚酯 Polyester)
外径	ID	160mm
内径	OD	72mm
长度	Length	20"(508±1mm) 40"(1015±1mm)
过滤公称精度	Precision (nominal)	5U, 10u, 15u, 40U, 70U
最高工作温度	Maximum working temperature	65°C
最大压差	Maximum differential pressure	30 psi
建议更换压差 ≤ 22 psi Suggesting replace the filter cartridge when differential pressure ≤ 22 psi		

Topology 大流量滤芯工作参数 Operatine Conditions

工作条件	Operating Conditions	规格 Specification
		40 inch
最大工作温度	Maximum Operating Temperature	70°C
最大正向压差	Maximum Forward Differential Pressure	3.4bar@20°C
建议更换压差	Recommended Change-out Differential Pressure	2.4bar@20°C

耐药品性 Resistance to Chemical Reagents

化学品	温度	化学品	温度	化学品	温度
醋酸 20%	71°C	过氧化氢	38°C	纯碱	71°C
醇胺10%	60°C	甲基乙基酮	21°C	氢氧化钠70%	71°C
氢氧化铵	71°C	矿物油	21°C	硫酸20%	71°C
漂白剂5.5%	49°C	硝酸 20%	49°C	硫酸70%	71°C
乙二醇	71°C	氢氧化钾	60°C	尿素	71°C

Chemical	Temperature	Chemical	Temperature	Chemical	Temperature
Acetic Acid 20%	71°C	Hydrogen Peroxide	38°C	Sodium Carbonate	71°C
Alkanolamines 10%	60°C	Methyl Ethyl Ketone	21°C	Sodium Hydroxide 70%	71°C
Ammonium Hydroxide	71°C	Mineral Oil	21°C	Sulfuric Acid 20%	71°C
Bleach 5.5%	49°C	Nitric Acid 20%	49°C	Sulfuric Acid 70%	71°C
Ethylene Glycol	71°C	Potassium Hydroxide	60°C	Urea	71°C

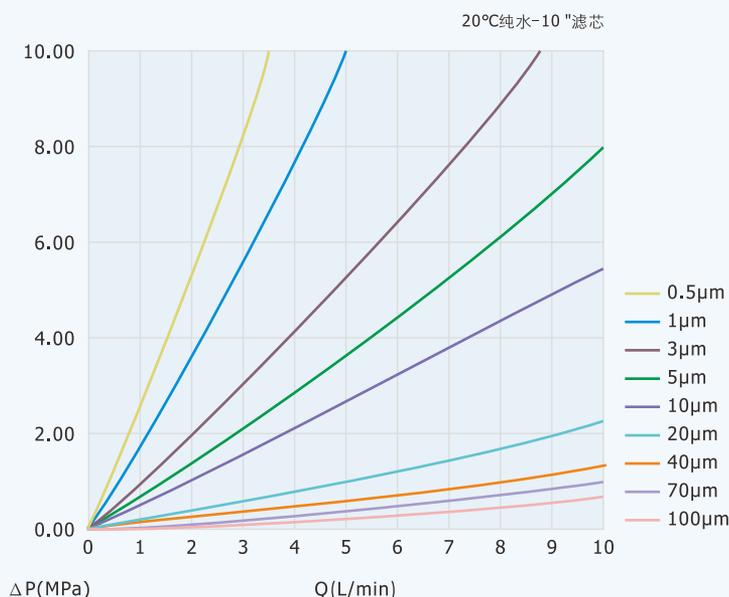
Characteristic

- High water flow means less application amount, less labour and low cost.
- High water flow means smaller housing, less operating space.
- The replacing of filter cartridge will be easier, safer and faster.
- The O-ring guarantees the good connection with housing.
- The polyester (PET) material can be used in water and also other kind of liquor.
- The polypropylene (PP) material used for heat sealing can stop the discharge for particles.
- The design of pleating causes low pressure drop and long operating life.
- Those media with high flow rate can easily go through the filter medium, which means high efficiency, low loss of pressure and long operating life.
- The water-entering way of inner controls style makes the replacement of filter cartridge much easier and also keeps all the contamination particle in the filter cartridge.
- Non-metal structure can be environmentally disposed, such as completely combustion, or flattening.

Application

- Pre-filtering before reverse osmosis (RO), pre-filtering before sea water desalination.
- For condensate water in electric power plant.
- For crude drug, liquor, and water in pharmaceuticals industry.
- For bottled water, liquid glucose, edible oil, juice, soft drink and milk
- For paint, dope, petrochemical industry.
- For micro-electronics, film, fiber and resin.

40" 大流量折叠滤芯流量曲线图 Flow Rate Chart for 40"



大流量模型图 Model of High Capacity Pleated Filter

