



## 活性炭纸纤维滤芯 Activated Carbon Fiber Filter Cartridge

活性炭纤维滤芯是由纤维素及活性炭粉末构成的复合深度过滤，结合活性炭吸附的双重功能的滤芯材质结构，滤芯的中柱外层是以精密的纤维滤材包裹内衬，在辅以活性炭纤维布环绕成形；液体流经滤材时，外层的深度纤维滤材结构能阻拦污染颗粒，滤布中的活性炭可以去除滤液中的异味、臭气、沉淀物、色素、挥发性有机物（VOC）以及有机化学物质；滤材最内层的纤维滤材，能防止碳末颗粒和细小的污染物流出，能提供滤液最终的品质保证与完整的过滤处理。

Activated carbon fiber filter is a composite depth filter composed of cellulose and activated carbon powder. It is combined with the dual-function filter core material structure of activated carbon adsorption. The outer layer of the middle column of filter element is wrapped with precision fiber filter liner, supplemented with activated carbon fiber cloth. When the liquid flows through the filter media, the outer layer of deep fiber filter structure can block the pollution particles, the activated carbon in the filter cloth can remove the odor, precipitate, pigment, volatile organic compounds (VOC) and organic chemicals in the filtrate. The innermost layer of filter media can prevent carbon particles and fine contaminants from escaping, providing final quality assurance and complete filtration.

# 活性炭纤维滤芯

## Activated Carbon Fiber Filter Cartridge

### 产品的特性 Characteristic

活性炭是一种多孔性的物质，具有吸附有机化合物的能力，因此它被广泛地用于化学工艺中，用来去除（吸附）滤液中所不需要的污染颗粒，做为脱色、除臭、去油渍等的工具；由于吸附力的强弱（效率），取决于过滤的方式、滤液的流速、与活性炭的种类接触时间、接触面积等，所以正确的选择工艺流程条件使用滤材，能大大地提升滤材液体处理的效率，提高液体过滤的品质。

Activated carbon is a kind of porous material, which has the function of adsorbing organic compounds. Therefore, it is widely used in chemical technics as a tool of decoloration, deodorization and deoil, in order to absorb those unwanted contamination particle in filter liquor. Adsorbability depends on the filter method, water flow rate, contact time and contact area with active carbon, etc., so it will lift the filter efficiency and improve the filter quality if correct technics is chosen for filter medium.

### 应用领域 Application

- 药液的过滤
- 表面处理、电镀溶液的过滤
- 照相显影药剂的过滤
- 溶液中油脂与芳香族的去除
- 溶液中游离氯、挥发性有机物的去除
- 饮用水、RO纯水机之过滤处理
- 异味、臭气、有机色素的去除
- 溶液中有有机化学物质的去除
- For medical water
- For surface preparation, electroplating solution
- For camera developer
- To get rid of the oil and aromatic in liquid
- To get rid of the free chlorine and VOC in liquid
- To get rid of stink, sediment, organic pigment in liquid
- To get rid of organic chemical compounds in liquid

### 产品过滤效率值 Filtration Efficiency Value

比表面积 Specific Surface Area: m <sup>2</sup> /g	850
苯吸附值 Adsorptive Value of Benzene: mg/g	270
碘吸附值 Adsorptive Value of Iodine: mg/g	800
亚甲基兰脱色值 Decolor Value of Methylene Blue: mg/g	100
厚度 Thickness: mm	2

### 滤材的结构/垫片材质 Structure and Material

活性炭种类 Activated Carbon Type	高品质椰壳碳粉 Coconut Shell Based Activated Carbon
中心骨架材质 Inner Core	聚酯 Polyester
中心骨架包裹层材质 Coating Layer of Inner Core	聚丙烯骨架 Polypropylene
外层固定网材质 Outer Carrier Net	精密纤维滤材 Polyester
端盖/垫片材质 Endcap	聚乙烯 Polyethylene
	PPR(食品级) PPR (Food Grade)

### 滤材的设计/操作条件 Design and Operating Parameters

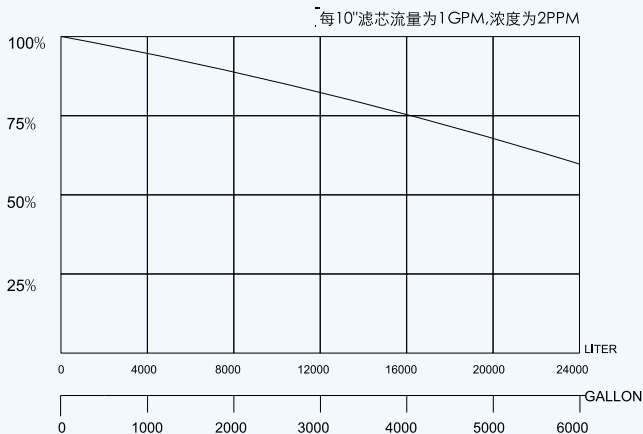
滤材设计公称孔径 Pore Size	5UM
最高操作温度 Maximum Operating Temperature	52°C (125 F)
最高承受压降 Maximum Differential Pressure	3.45Bar(50 psid)
建议更换压降 Recommended Change-out Differential Pressure	2.07Bar(30 psid)
滤材破裂点压降 Breaking-out Differential Pressure	5.17Bar(75 psid)

### 产品规格编号对照表 Products Code Table

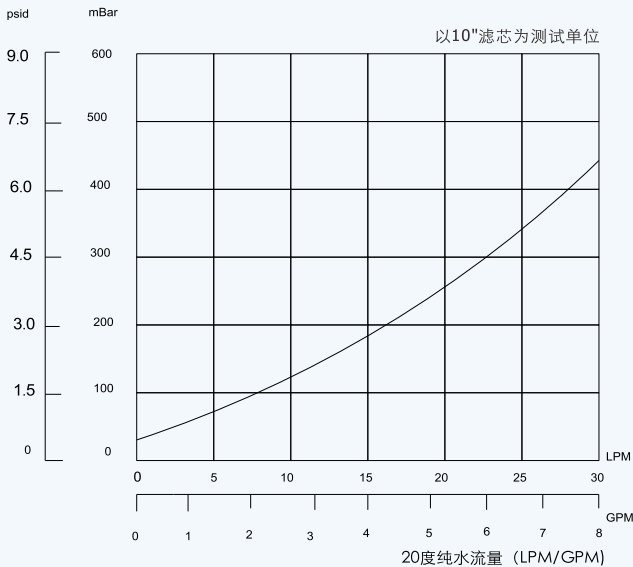
品种 Item	材料 Material	长度 Length	外径 OD	编号示例 Code Eg.
TCC:碳纸	C:碳纸纤维 C:Activated Carbon Fiber	10M:250±1.5mm	25:2.5"(63.5mm)	TTW-P-01-10M-P-25-1
		10I:10"(254±1.5mm)	45:4.5"(115mm)	
		20M:500±1.5mm		
		20I:20"(508±1.5mm)		

如果客户需要的产品与以上产品的规格尺寸不同，我们也接受非标产品的制作。  
We also accept special orders according to customer's requests.

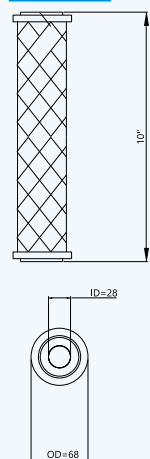
### 自由余氯的去除率曲线图 Free Chlorine Removal Chart



### 水流量与压降的曲线图 Flow Rate and Differential Pressure Chart



### 尺寸 Size



### 活性炭纤维滤芯 Activated Carbon Filter Cartridge

