

Activated Carbon Cartridge filter

Benefits

MS[®] activated carbon cartridge is actually more efficient at removing colors and other impurities from a solution compared to a batch process with the equivalent common activated carbon cartridges.

- Economical alternative to granular activated carbon cartridges
- High porosity design maximizes utilization of carbon to prevent premature plugging
- Proprietary manufacturing process yields a filter with greater dirt-holding capacity
- DOE end configuration
- Absorbs oil vapor



Description

MS[®] activated carbon cartridge is widely used in the pharmaceutical industry for decolorization and removal of other trace impurities. MS[®] activated carbon cartridge immobilized carbon filter media alleviates handling bulk carbon powder, cleaning of process equipment, and time cost, etc. The immobilized carbon media is then coupled with a downstream filter paper that eliminated any possible carbon particle shedding downstream of the filter. Additionally, the adsorption efficiency of immobilized carbon filter media is greater than an equivalent amount of common activated carbon cartridges, further reducing overall process time and increasing product yield.

Application

- Active pharmaceutical ingredients
- Biotechnology
- Clarification and pre-filtration
- Single-use systems
- Tangential flow filtration

Performance Specifications

- Outside diameter: 65mm, 68mm, 115mm
- Inner diameter: 28mm, 30mm
- Length: 9.75", 9.87", 10", 20"

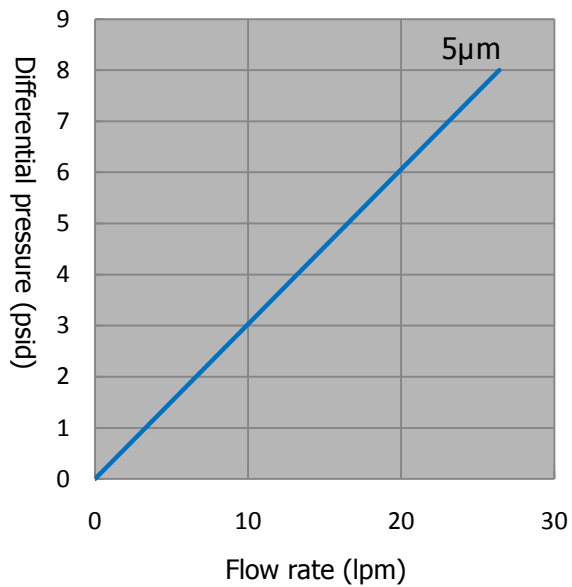
Length can customize according to customer's request

- Micro Rating: 5 μ m, 10 μ m
- Maximum recommended operating temperature: 52°C
- Maximum operating pressure: 17bar
- Maximum differential pressure: 7bar@20°C

Materials of construction

Filter Media	Granular activated carbon
Plastic Components	Polypropylene
Netting	Polypropylene
O-rings	Platinum-cured silicone elastomer or fluorocarbon elastomer

Liquid Flow Rate vs. Differential Pressure



Flow rate is per 25.4 cm (10 in) cartridge. For liquids other than water, multiply differential pressure by fluid viscosity (cP)

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