

Filter Bag

ACTIVATED CARBON FILTER BAGS



FEATURES

- Effective removal of chlorine, odor, asbestos, mercury, lead & other types of heavy metals and toxic organic chemicals
- Promote catalytic reduction of chlorine disinfectants
- Loose carbon fill without using binder. 100% carbon surface exposure, low velocity and longer liquid contact time
- Extra large volume of carbon fill. A size 2 bag contains 5 kg of highly porous & uniformly activated coconut shell carbon tablets
- High absorption speed: 180 times faster than extruded carbon block.
- Low pressure drop, large carbon contact surface with water, low velocity, longer contact time and improved adsorption performance.
- Dual functionalities: Not only for impurity absorption, but also for contaminant particle retention.
- Exclusively FDA compliant media
- 1 ~ 100 micron range, nominal rating
- Patented SDS & STS pressure seal rings, steel snap-fit rings
- Flow rate #1 bag @ 6 MT/Hr Max., #2 bag @ 12 MT/Hr Max.
- Change-out differential pressure 0.12 MPa, Max. 0.25 MPa

TECHNICAL SPECIFICATIONS

Filter Size	Carbon Type	Filter Media	Seam Treatment	Length (mm)	Diameter (mm)	Filter Area (m ²)	Volume (litre)	Housing Used
Size 1	Coconut Shell	PP	Welding	420	180	0.25	8.00	FCISBF-M-717S1/S2/S3
Size 2	Coconut Shell	PP	Welding	820	180	0.50	17.50	FCISBF-M-732S1/S2/S3
Size 5	Coconut Shell	PP	Welding	510	150	0.25	8.00	FCISBF-M-620S1/S2/S3

PRODUCT CODES

- FCIACBX:Coconut Shell Activated Carbon Bags

CARBON PERFORMANCE DATA

- Iodine rating 1,000 mg/g
- Iodine adsorption efficiency > 99.9%
- Methylene rating 195 mg/g
- Methylene Blue de-colorization > 160 mg/g
- Benzene adsorption capacity > 30%
- CTC adsorption > 75%
- PH rating 7~9
- Chemically compatible to strong acid and alkali
- Low flammability

TYPICAL APPLICATIONS

- Water purification & removal of cyanide, fluoride, chlorine, organic chloride, TCE, ions, microbes, bacteria, odour, etc. Widely used in bottled water and beverage processing, liquor processing and Pharmaceutical liquid de-coloring, etc.
- Waste water treatment & removal of heavy metal, inorganic/organic compound, dyes, chloroform, PCBs, phenol, dactyl phthalate, Cr (VI); also change Au(III)-AU, Ag+ -Ag, Pt(VI)-Pt+ +, Hg+ + -Hg+, Fe(III)-Fe+ +, etc. Reclaiming of benzoic compounds, ketonic compounds, esters, alcohol compounds, petrol compounds, precious metals, VOCs and BTEXs.
- Liquid purification in paint, auto, electronics, semiconductors, synthetic fiber, chemical, petrol-chemical, rubber, pharmaceutical industries, etc.
- Gas purification & removal of SO_x, NO_x, H₂S, etc.

Filter Concept Pvt. Ltd.

(An ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 and CE Certified Company) Products Manufacturing in Accordance With the Requirement Of The ASME Boiler & Pressure Vessel Code "U", "UM", "NB" & "R"

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