

FILTER BAG

Activated Coconut Shell Carbon Filter Bags

Features

- Exclusively FDA-compliant media
- Effective removal of chlorine, odor, mercury, lead and other types of heavy metals as well as most of toxic organic chemicals*.
- 5 kg of activated carbon chips contained in a size 2 bag
- 1 μm – 100 μm nominal rated particle retention (optional without particle retention capability)
- PP-or PE-collar but also metal ring as bag sealings
- Fiber migration free media treatment
- Suggested change-out pressure differential 0.10 – 0.25 MPa (1.0 – 2.5 bar)
- Flow rate max.:
6 m³/h : size 1
12 m³/h : size 2

*Please refer to the relevant MSDS

Advantages

- **Easy Installation** – no tools required
- **100 % carbon surface without using binder** - low specific velocity hence longer liquid contact time
- **High adsorption speed** – 180 times faster than extruded carbon block
- **Available without particle retention** – adsorptive potential can be fully used even in fluids with high particle loads
- **Stable Material Composite** – both stable and flexible filter bags for better alignment to the restrainer basket



Applications

- Automotive industry
- Water treatment
- Food and beverage
- Pharmaceutical industry
- Petro-chemical
- Fine chemicals
- Paints and varnishes
- Many others

Product Categories:

1. **ACBX** Polypropylene
2. **ACBH** Polyester

Activated carbon bag filter

Activated carbon coconut shell
 Activated carbon coconut shell

Carbon Performance Data

Iodine rating	1000 mg/g
Iodine adsorption efficiency	≥ 99.9 %
Methylene rating	195 mg/g
Methylene Blue de-colorization	≥ 160 mg/g
Chemically compatible to strong acid and alkali**	

Benzene adsorption capacity	≥ 30 %
CTC adsorption	≥ 75 %
Maximum temperature *	500°C
PH-rating	7 ~ 9
Low flammability	

**Please refer to the relevant MSDS

* Do not mix up with max. operating temperature of PP = 90°C and PE = 135°C

Technical Data

Sizes	Activated carbon type	Filter material	Seam treatment	Length [mm]	Ø [mm]	Filter surface (bag) [m²]	Volumen [l]	Housing e.g.
size 1	Coconut shell	PP, PE	welded	420	180	0,25	8.0	HEXB23, HTWB23
size 2	Coconut shell	PP, PE	welded	820	180	0,50	17,5	HEXB45, HTWB45
size 5	Coconut shell	PP, PE	welded	510	150	0,25	8.0	HPPB23, HSSB23

Product Code

ACBX – 100 – WS – SS 2

Filter media:

ACBX : Polypropylene
 Act. carbon filling : Coconut shell

ACBH : Polyester
 Act. carbon filling : Coconut shell

Retention rate [µm]:

1 ; 5 ; 10 ; 25 ; 50 ; 100

AO : without particle retention

WS: welded seam

Bag size: Ø * L [mm]:

1 : 180 * 420
 2 : 180 * 820
 5 : 150 * 510

Other sizes on request

Bag Sealing :

SS : galvanized steel
 ST : stainless steel
 PLK : PP collar
 ELK : PE collar
 PD : PP collar (size 5 only)

Other types on request