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The Clear Choice
Water Filtration Systems

FCCBL-G-AB

New Antimicrobial Carbon Block with BACinix™ Nanosilver Technology

General Description:

AQUAFILTER FCCBL-G-AB (GOLD) series is state of the art carbon block. These are an upgraded version of well known **FCCBL-S** series carbon block. They have all of the advantages of **SILVER SERIES Carbon Blocks** and none of their drawbacks.

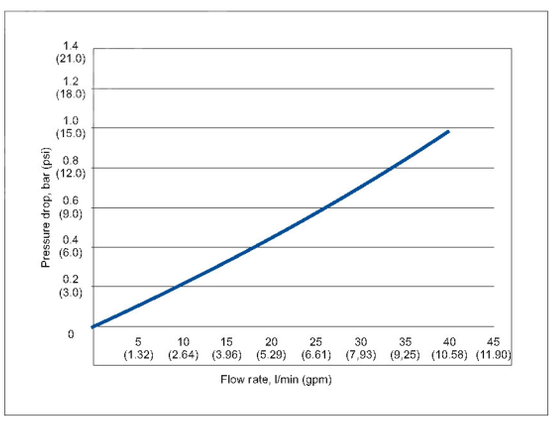
Cartridges are made of a mixture of high quality bituminoous and coconut shell activated carbons, which comply to the strict FDA standards. Moreover a special heavy metal removal media was utilized. It effectively removes lead, copper, mercury, strontium.

Additionally antimicrobial (nanosilver based) active agent was utilized. This substance was added during the maufacturing process so it is dispersed evenly in the entire cartridge (in contrast to the silver impregnated activated carbon) preventing it from microbiological growth.

FCCBL-G-AB series carbon blocks effectively removes free chlorine and its derivatives and many organic substances improving taste and odour of water. Small micron rating makes them effective sediment cartridge, which removes sand, silt, rust and suspended solids from filtered water.

The cartridge can also become impenetrable barrier for waterborne microbes. Bacteria are hold inside the cartridge and cannot get through due to the porous structure of it. Nanosilver-based active agent prevents from microbiological growth. **FCCBL-G-AB** effectively protects expensive houseware and water supplying systems. Cartridges are dedicated for cold potable water filtration.

Made in EU



Features:

- High quality
- Competitive Pricing
- **BACINIX™** nanosilver technology, providing antibacterial protection
- Made of safe, food grade materials
- Contains a mixture of bituminous and coconut shell carbons
- Removes heavy metals (Pb, Cu, Hg, Sr, Cs)
- Removes chlorine, its derivatives and organic substances
- Softens water (improving scale reduction)
- Improves taste and odor of water
- Excellent filtration at small pressure drops
- Small orders accepted
- Made in EU with High Quality materials
- Component NSF Certified and FDA CFR Title 21 Compliant

CAT #	Size	Nominal pore size	Filter life*		
			liters	galons	months
FCCBL-G-AB	9 7/8" x 2 1/2" 250 mm (+/- 1 mm) x 69 mm (+/- 1 mm)	5 µm - 10 µm	23.721	6.275	6 - 12

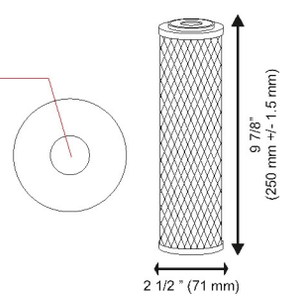
* filter cartridge lifetime based on contamination level of potable water.

Nanosilver is so effective because it simultaneously attacks pathogens in several routes:

1. Nanosilver attacks bacteria cell walls – they are composed of aminoacids. Silver nanoparticles change their structure (create disulfide bridges between aminoacids). It disrupts so called respiration chain. Bacteria losses its ability to gaseous exchange (breathe) which lead to its death.
2. Nanosilver can penetrate cell wall and lead to its leading to immediate death of bacterial cell.
3. Nanosilver enters inside the bacteria and binds with its DNA. It prevents two strands from separation and thus stops DNA replication. Unfortunatelly the detail mechanism of this action is still not well known and requires further studies.
4. Nanosilver after passing to the inside of the cell binds with various ensymes. Disruption of metabolic processes prevents cell growth.

Specifications:

Filter media: Bituminous activated carbon and NSF, approved coconut shell activated carbon, zeolite ANTIMICROBIAL AGENT
Working Temp.: 2°C - 80°C (35°F - 176°F)
Lengths: 10"
Outer diameter: 2 1/2"
Inner diameter: 1,1"
Contaminant Removal: Chlorine, VOC's, heavy metals, reduces water hardness
End caps: PP + ANTIMICROBIAL AGENT
Gasket: Silicone
Neting: LDPE



BACINIX™ antibacterial

Nanosilver is a known bacteriostatic agent. As water enters each stage of filtration, it is supplemented with traces of nanosilver equivalent to 15-20 ppb. This trace quantity of nanosilver imparts bacteriostatic agents and restricts the propagation of micro-organisms inside the filtration system, which in turn enhances shelf life and protects from future contamination.

NOTE
- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- Water filtration systems can help reduce the presence of contaminants. In addition, some water filtration systems can help reduce the presence of microorganisms or other contaminants with potential health effects.
- We strongly recommend regularly scheduled maintenance and replacement of the filter cartridge in order for the product to perform properly.
- Replace the filter cartridge at least every 6 or 12 months (depending on water quality).

LIMITED WARRANTY: AQUAFILTER warrants that this product is free from defects in materials and workmanship. This limited warranty does not apply to failures that result from abuse, misuse, alteration or failure to properly comply with installation or cartridge change instructions and water quality.

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