



**The Clear Choice**  
Water Filtration Systems

# FCCBKDF

**Filter cartridges filled with coconut shell activated carbon and KDF® media**

## General Description:

AQUAFILTER **FCCBKDF** are state-of-the-art multimedia filter cartridges. GAC-type cartridges are designed such that where water flows from bottom to top ensures a long contact time, allowing for maximum adsorption and treatment.

Utilizing a highly efficient longitudinal flow for greater carbon contact time, **FCCBKDF** is ideal where a long contact time allows for high chlorine as well as other organic reductions.

Cartridges are filled with water-washed coconut shell activated carbon, **KDF®-55** and non-woven polypropylene layers. Each layer plays an important role in potable water purification.

Coconut shell activated carbon used in filter cartridges removes chlorine, solvents and aromatic hydrocarbons (improves the taste and odor) and compounds, phenol, benzene, and organic substances from water.

**KDF®**, utilizing redox reactions, kills or inhibits bacteria growth, converts chlorine to chlorides and removes iron, hydrogen sulfide and heavy metals (lead, arsenic, etc.).

Used in combination with Activated Carbon, **KDF®** can significantly extend the life of filter cartridges. Non-woven polypropylene creates a barrier that prevents filtration media from being washed out.

**FCCBKDF-STO**, a two-stage filter cartridge made of polypropylene, carbon layers and **KDF®** media layers, is also available. The first layer (cleansing) is made of non-woven polypropylene, which removes contaminants from water and mechanical solids (not smaller than 10 microns). The second layer is made of coconut shell activated, **KDF®** media and non-woven polypropylene.

## Features:

- High quality
- Competitive Pricing
- Leaves beneficial minerals (calcium, magnesium, sodium, potassium, etc.) intact, producing a tastier mineral water
- Contains activated carbon and **KDF®** media
- Removes a wide range of contaminants including heavy metals (arsenic, cadmium, lead, mercury)
- Removes iron compounds and hydrogen sulphide
- Removes pesticides
- Removes up to 99% of free chlorine from water
- Removes organic substances
- Removes sediment impurities (rust, sand, silt, suspended solids)\*
- Improves taste and odor
- These filter cartridges are equipped with end filter, which prevents all deposited media from being washed out
- **KDF®** media inhibits bacteria growth in treated water - uses no silver
- Made in the EU with High Quality material.

\* in case of FCCBKDF-STO



Made in EU





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www.aquafilter.com

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## ACTIVATED CARBON PERFORMANCE

CAT #	SIZE	Media Amount (GAC/KDF)	Micron	Filter life*			@ Flow	
				L	gal	months	lpm	gpm
FCCBKDF5	4 7/8" x 2 1/2" (124 mm +/- 0.5 mm x 71 mm)	70 g / 30 g	-	6.650	1.760	6 - 12	1.9	0.5
FCCBKDF	9 7/8" x 2 1/2" (250 mm +/- 1.5 mm x 71 mm)	280 g / 60 g	-	26.600	7.040	6 - 12	3.8	1
FCCBKDF-STO	9 7/8" x 2 1/2" (250 mm +/- 1.5 mm x 71 mm)	100 g / 30 g	10 µm	9.500	2.520	6 - 12	1.9	0.5
FCCBKDF-L	20" x 2 1/2" (510 mm +/- 2 mm x 71 mm)	670 g / 90 g	-	63.650	16.850	6 - 12	7.6	2
FCCBKDF10BB	9 7/8" x 4 1/2" (250 mm +/- 1.5 mm x 107 mm)	550 g / 90 g	-	52.250	13.850	6 - 12	7.6	2
FCCBKDF20BB	20" x 4 1/2" (510 mm +/- 2 mm x 107 mm)	1450 g / 90 g	-	13.7750	36.500	6 - 12	15.1	4

Free chlorine content was set as 2 ppm (mg/L). Maximum allowed free chlorine content according to regulations is 0,5 ppm (mg/L).  
\* filter cartridge lifetime based on contamination level of potable water.

## KDF® PERFORMANCE

	Concentration of heavy metals		
	influent	effluent	purification
Lead	0.19 mg/l	0.006 mg/l	96.8%
Arsenic	0.37 mg/l	0.007 mg/l	98.1%
Cadmium	0.03 mg/l	0.004 mg/l	86.7%
Mercury	0.06 mg/l	0* mg/l	99.9%

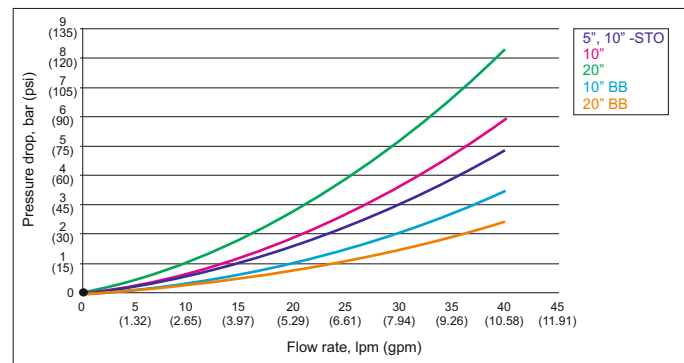
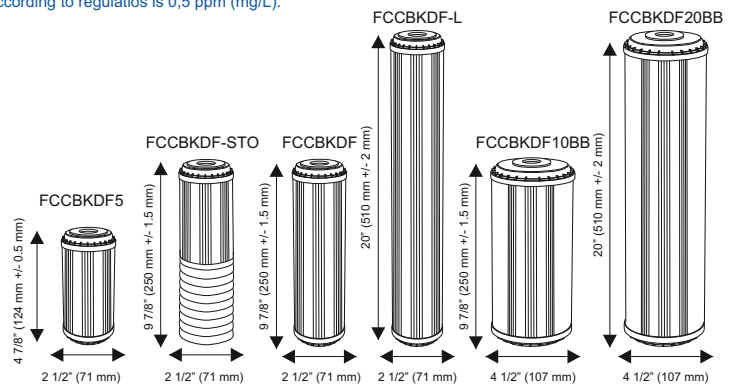
\* below detection limit

Another test was run to determine chlorine removal efficiency. The influent contained 3 mg/l chlorine and 2 mg/l lead. Laboratory studies revealed that removal efficiency exceeded 99.5%.

## Specifications:

**Media:** Coconut Shell GAC and KDF-55 both NSF approved, PP filter  
**Filter Life\*:** 6 - 12 months  
**Operating Pressure:** 6 bar (90 psi)  
**Min. feedwater temp.** 2°C (35°F)  
**Max. feedwater temp.** 55°C (131°F)  
**Contaminant Removal:** Chlorine, VOC's, heavy metals, ferrous iron, hydrogen sulphide, scale

**End caps:** PP  
**Gasket:** Silicone  
**Body:** HDPE  
**Post-filter:** PP



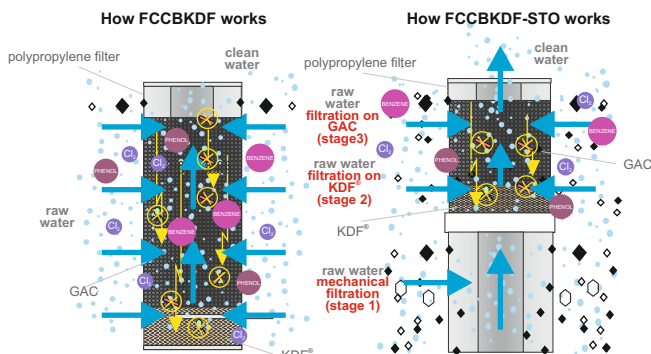
**IMPORTANT NOTICE:** Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Cartridges are designed for filtration with cold potable water. We recommend regularly scheduled maintenance and replacement of the filter cartridge in order for the product to perform properly.

In order to extend life span of FCCBKDF\* series, filters with FCPS or FCPP cartridge need to be installed before FCCBKDF series cartridges.

Improper installation and maintenance may result in property damage due to water leakage.  
\* not applicable for FCCBKDF-STO cartridge.

**Limited Warranty:** AQUAFILTER warrants that this product is free from defects in materials and workmanship.

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