



The Clear Choice
Water Filtration Systems

FCCBKDF2

Filter cartridges with KDF® media, water softening media and coconut shell activated carbon

General Description:

AQUAFILTER FCCBKDF2 are state-of-the-art multimedia filter cartridges. GAC-type cartridges are designed such that water flows from bottom to top, ensuring a long contact time, allowing for maximum adsorption and treatment.

Utilizing a highly efficient longitudinal flow for greater carbon contact time, **FCCBKDF2** 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, high-capacity strongly acidic ion exchange resin and **KDF®-55**. Each layer plays an important role in potable water purification.

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

Ion exchange resin softens water replacing hardness minerals (calcium and magnesium) with sodium ions. Additionally **FCCBKDF2** cartridges are equipped with post-filter which prevents filtration media from being washed out.

Features:

- High quality
- Competitive pricing
- Triple-stage filtration design
- Water softening by ion exchange processes
- Contains NSF approved media: coconut shell activated carbon and KDF®
- Removes a wide range of contaminants including heavy metals (arsenic cadmium, lead, mercury)
- Removes iron compounds and hydrogen sulfide
- Removes pesticides
- Removes up to 99% of free chlorine from water
- Removes organic substances
- Improves taste and odor
- Equipped with end filter preventing filtration media from being washed out
- KDF® media inhibits bacteria growth in treated water - uses no silver
- Made in the EU with High Quality materials



Made in EU





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ACTIVATED CARBON PERFORMANCE

CAT #	SIZE	Media Amount (GAC / KDF / ION-EXCHANE)	@ Flow		Filter life*		
			lpm	gpm	L	gal	months
FCCBKDF2	9 7/8" x 2 1/2" (250 mm +/- 1.5 mm x 71 mm)	150 g / 75 g / 0,15 l	3.8	1	14.250	3.770	3 - 6
FCCBKDF210BB	9 7/8" x 4 1/2" (250 mm +/- 1.5 mm x 107 mm)	350 g / 90 g / 0,5 l	7.6	2	33.250	8.800	3 - 6

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 on contamination level of potable water.

ION-EXCHANGE RESIN PERFORMANCE

CAT #	SIZE	Media Amount (ION-EXCHANE)	@ Flow		Max. ion-exchange capacity m³ x °dH	Filter Life*		
			lpm	gpm		L	gal	months
FCCBKDF2	9 7/8" x 2 1/2" (250 mm +/- 1.5 mm x 71 mm)	0,15 l	3,8	1	0,45	200	52.91	3 - 6
FCCBKDF210BB	9 7/8" x 4 1/2" (250 mm +/- 1.5 mm x 107 mm)	0,5 l	7,6	2	1,40	715	189	3 - 6

Tested at water hardness of 2°dH (35,8 mg/l), iron content 0,2 ppm (mg/l), chlorine content 0,5 ppm (mg/l), nominal flow 2 lpm, temperature of water 23°C.
* filter cartridge lifetime on contamination level of potable water.

KDF® PERFORMANCE

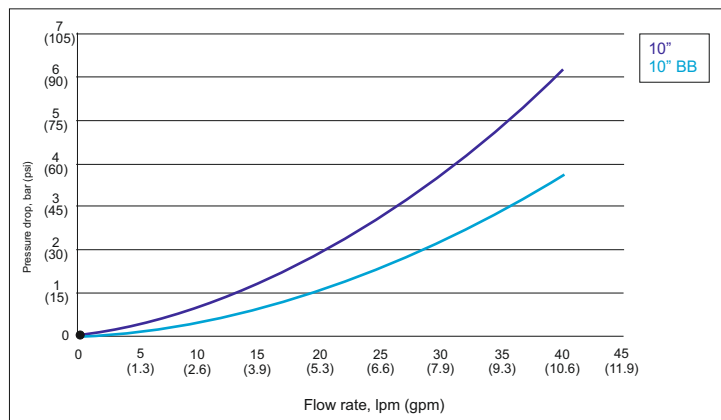
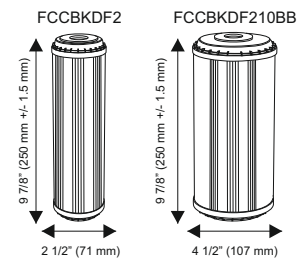
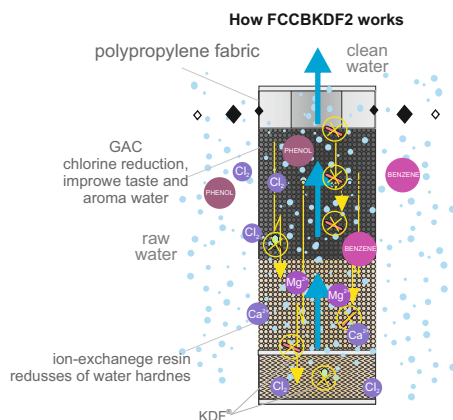
	Concentration of heavy metals		
	influent	effluent	purification
Lead	0,19 mg/l	0,006 mg/l	96,8%
Arsenic	0,37 mg/l	0,007 mg/l	98,1%
Cadmium	0,03 mg/l	0,004 mg/l	86,7%
Mercury	0,06 mg/l	0* mg/l	99,9%

* 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: NSF approved Coconut Shell GAC and KDF®-55, strongly acidic cation exchange resin
Filter Life: 3 - 6 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 FCCBKDF2 series, filters with FCPS or FCPP cartridge need to be installed before FCCBKDF2 series cartridges.

Improper installation and maintenance may result in property damage due to water leakage.
Limited Warranty: AQUAFILTER warrants that this product is free from defects in materials and workmanship.

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