



The Clear Choice
Water Filtration Systems

FCCFE

Iron removal filter cartridge

General Description:

AQUAFILTER FCCFE series cartridges are an effective and efficient solution for point-of-use and point-of-entry applications.

Their undeniable benefit is ease of installation and changeout. Cartridges include pre- and post-filters preventing media particles from being washed out. Cartridges, are available in various capacities to meet the Customers demands. **FCCFE** was designed to allow optimal contact between water and the resin therefore ensuring maximum performance (iron and manganese removal).

FCCFE utilizes NSF approved media which increase pH and reduce the concentration of iron and manganese in water.

Iron in a concentration as low as 0,3 mg/l can become a source of yellow to dark-brown stains often found in sinks, toilets and other plumbing fixtures. If iron is present in detectable amounts it can ruin the taste of tea, coffee and beverages.

Iron salts may irritate skin. Manganese is much more annoying than iron. Even low concentrations of this element ($> 0,05$ mg/l) create dark-brown or black stains on everything with which it comes in contact. Both manganese and iron form deposits inside piping systems, which (after a while) may severely reduce flow.

As water is passed through the filter, soluble iron and manganese are pulled from solution and later react to form insoluble iron and manganese. Insoluble iron and manganese will build up in the **FCCFE** filter and must be removed by backwashing. **AQUAFILTER FCCFE** can be used in both POE and POU applications.

Features:

- High quality
- Competitive pricing
- Lowers iron & manganese content
- NSF approved Birm and Corosex
- Filter improves flavor and reduces the metallic taste caused by iron
- Prevents sink stains
- Corrects pH level
- Compatible with most under-sink and RO systems
- Removes sediments (sand, silt, rust, suspended solids) $10 \mu\text{m}^*$
- Equipped with end filter preventing particulates of filtration media from being washed out
- Made in the EU with High Quality materials

* in case of FCCFE-STO



Made in EU





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www.hydrotense.eu

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CAT #	SIZE	Media Amount (BIRM/COROSEX)	Micron	Total volume of water used	Iron level
FCCFE5	4 7/8" x 2 1/2" (124 mm +/- 0.5 mm x 71 mm)	90 g / 40 g	-	100.000 l (26.455)	3 ppm
				150.000 l (39.682)	2 ppm
				300.000 l (79.365)	1 ppm
				610.000 l (161.375)	0,5 ppm
FCCFE	9 7/8" x 2 1/2" (250 mm +/- 1.5 mm x 71 mm)	170 g / 200 g	-	100.000 l (26.455)	3 ppm
				150.000 l (39.682)	2 ppm
				300.000 l (79.365)	1 ppm
				610.000 l (161.375)	0,5 ppm
FCCFE-STO	9 7/8" x 2 1/2" (250 mm +/- 1.5 mm x 71 mm)	90 g / 40 g	10 µm	100.000 l (26.455)	3 ppm
				150.000 l (39.682)	2 ppm
				300.000 l (79.365)	1 ppm
				610.000 l (161.375)	0,5 ppm
FCCFE-L	20" x 2 1/2" (510 mm +/- 2 mm x 71 mm)	400 g / 500 g	-	100.000 l (26.455)	3 ppm
				150.000 l (39.682)	2 ppm
				300.000 l (79.365)	1 ppm
				610.000 l (161.375)	0,5 ppm
FCCFE10BB	9 7/8" x 4 1/2" (250 mm +/- 1 mm x 107 mm)	600 g / 450 g	-	100.000 l (26.455)	3 ppm
				150.000 l (39.682)	2 ppm
				300.000 l (79.365)	1 ppm
				610.000 l (161.375)	0,5 ppm
FCCFE20BB	20" x 2 1/2" (508 mm +/- 2 mm x 107 mm)	1200 g / 1000 g	-	100.000 l (26.455)	3 ppm
				150.000 l (39.682)	2 ppm
				300.000 l (79.365)	1 ppm
				610.000 l (161.375)	0,5 ppm

Recommended Operating Conditions:

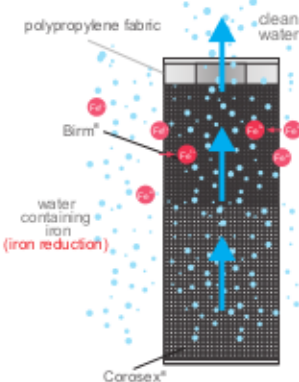
pH > 6,8 - CRUCIAL
 Iron < 3 ppm - CRUCIAL
 Iron 2 ppm - RECOMMENDED MAX IRON CONTENT
 Manganese < 0,6 ppm
 Oxygen content >15% Fe+Mn - CRUCIAL
 Silica content <100 ppm
 Manganese < 1 ppm
 Iron Bacteria - none
 Hydrogen sulfide none

Specifications:

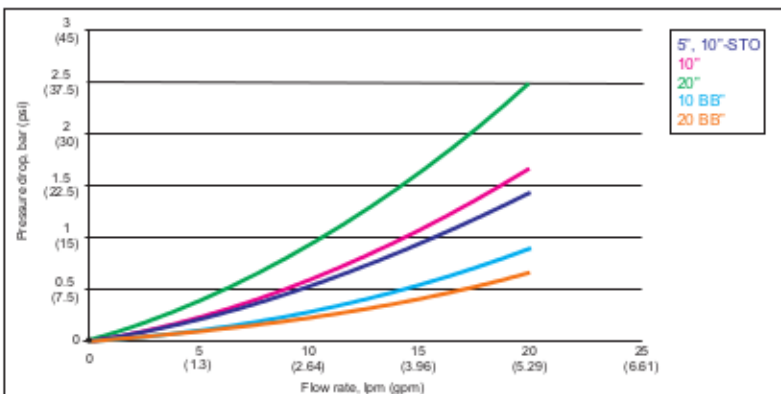
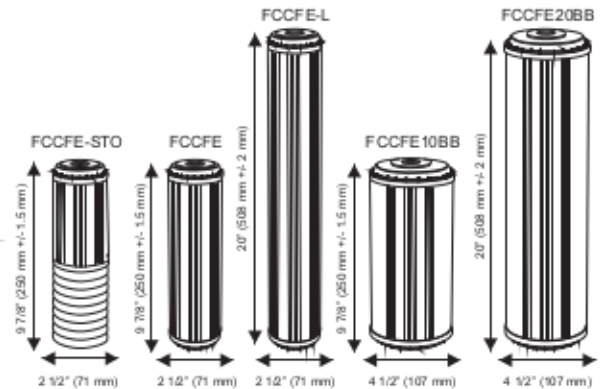
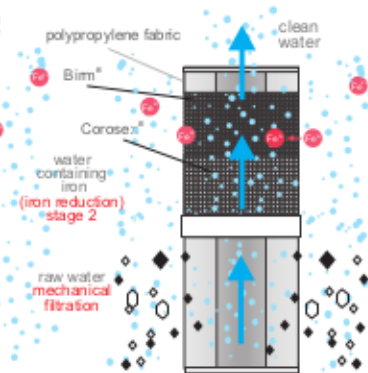
Media: NSF approved Birm and Corosex
 Filter Life: 3-6 months
 Operating Pressure: 6 bar (90 psi)
 Minimum Temperature: 2°C (35°F)
 Maximum Temperature: 40°C (104°F)
 Contaminant Removal: iron, manganese
 End caps: PP
 Gasket: Silicone
 Body: HDPE
 Post-filter: PP

For best performance in iron removal, pH must be set from 6.8 up to 8.5
 For best performance in manganese removal, pH must be set between 8 and 9
 For best performance in both iron and manganese removal pH must NOT exceed 8.5 (8-8.5)
 * filter cartridge based on contamination level of potable water.

How FCCFE works



How FCCFE-STO works



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 lifespan of FCCFE® series, filters with FCPS or FCPP cartridge need to be installed before FCCFE series cartridges. Improper installation and maintenance may result in property damage due to water leakage.

*not applicable for FCCFE-STO cartridge.

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

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