



The Clear Choice
Water Filtration Systems

www.aquafilter.com

FCCST

Water softening filter cartridge

General Description:

FCCST utilizes FDA-grade, sodium, based, strongly acidic ion-exchange resin which reduces calcium and magnesium ion content in water. Calcium and magnesium are often called "hardness minerals". Large amounts of these ions in water are responsible for the formation of scale deposits, higher detergent consumption and stains on glassware. In extreme cases large amounts of calcium and magnesium can lead to glass etching.

Hard water damages home appliances such as: tea kettles, dishwashers and washing machines, and increases their energy consumption. Hard water leaves an invisible film on skin, which blocks pores. This in turn causes chapping, itching and dryness. Softened water contains almost no calcium & magnesium. It enables people to use lesser quantities of soap, shampoo, and skin care products. Moreover, detergent consumption is reduced. **AQUAFILTER FCCST** can be used in every POU application where soft water is required.

Also available in **FCCST-STO** model - two stage filtration features sediment and ion exchange layers. The first layer removes sediments and mechanical contaminants up to 10 µm. The second layer with ion exchange media acts as water softener.

AQUAFILTER FCCST series cartridges are an effective and efficient solution for POE and POU 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 Customer demands. **FCCST** was designed to allow optimal contact between water and resin therefore ensuring maximum performance (ion exchange).

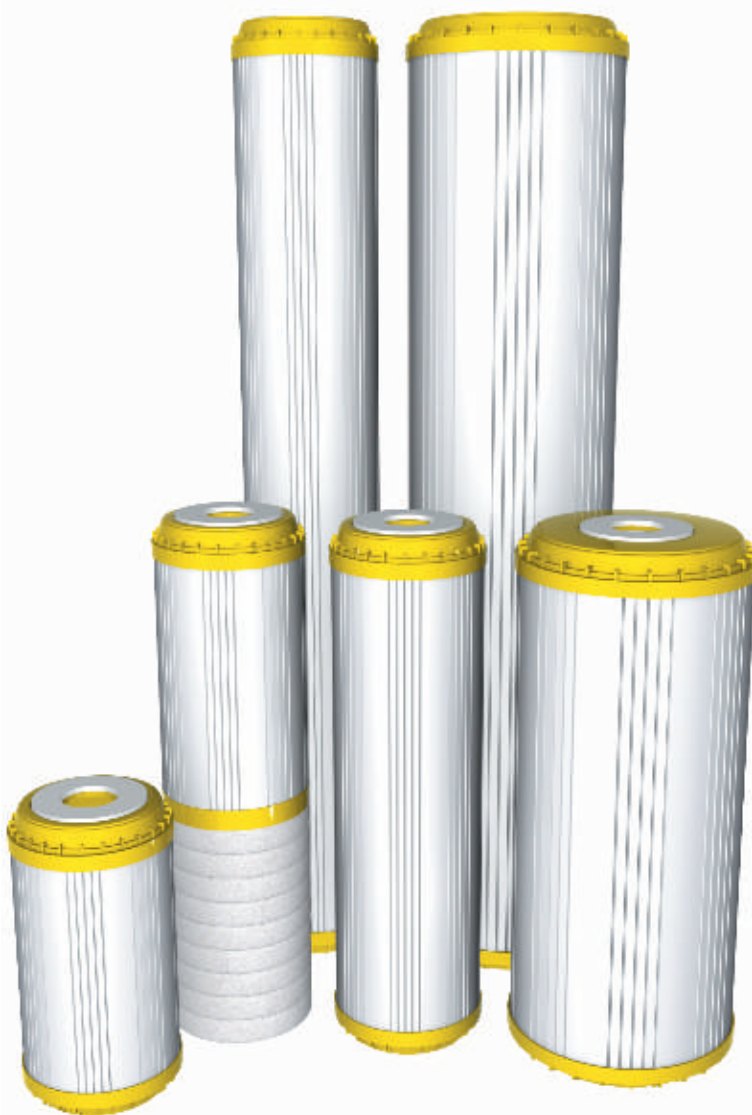
Features:

- High quality
- Competitive pricing
- High capacity FDA approved ion-exchange resin
- Acts as water softener
- No stains on glassware
- No glass etching
- Excellent choice for lime scale removal and lime scale problems
- Detergent consumption reduced by 30%
- Less energy consumption
- Protects washing machine and dishwasher against damage caused by hard water
- Removes sediments (sand, silt, rust, suspended solids) 10 µm*
- Equipped with end filter, preventing particulates of filtration media from being washed out
- Made in the EU with High Quality materials

* in case of FCCST-STO



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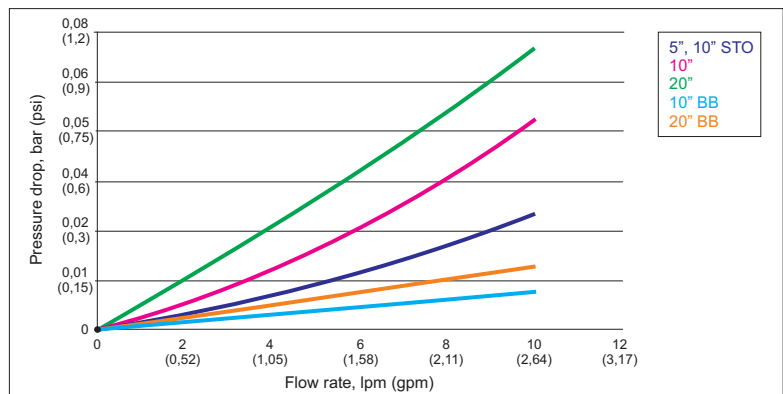
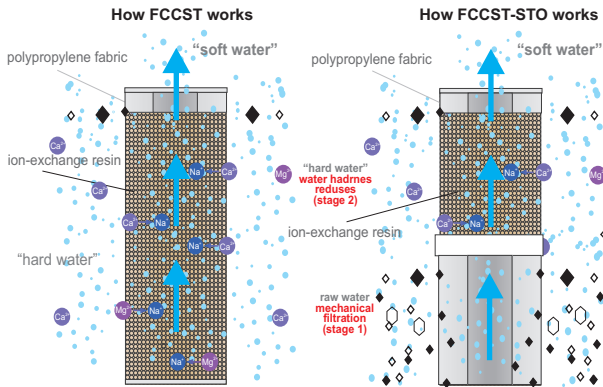
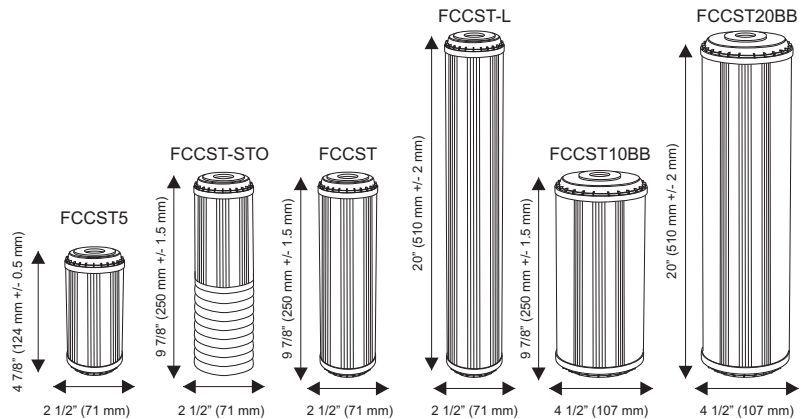
Water softening filter cartridge

CAT #	SIZE	Media Amount (Ion-exchange)	Micron	Max. ion-exchange capacity		Filter Life*		
				m ³ x °dH	liters	gallons	months	
FCCST5	4 7/8" x 2 1/2" (124 mm +/- 0.5 mm x 71 mm)	0.2 l / 0.05 gal	-	0.6	285	75	3 - 6	
FCCST	9 7/8" x 2 1/2" (250 +/- 1.5 mm x 71 mm)	0.65 l / 0.17 gal	-	1.85	2.650	700	3 - 6	
FCCST-STO	9 7/8" x 2 1/2" (250 +/- 1.5 mm x 71 mm)	0.25 l / 0.06 gal	10 µm	1.4	1.995	528	3 - 6	
FCCST-L	20" x 2 1/2" (510 mm +/- 2 mm x 71 mm)	1.5 l / 0.39 gal	-	4.2	6.000	1.590	3 - 6	
FCCST10BB	9 7/8" x 4 1/2" (250 +/- 1.5 mm x 107 mm)	1.4 l / 0.37 gal	-	4.0	5.700	1.510	3 - 6	
FCCST20BB	20" x 4 1/2" (510 mm +/- 2 mm x 107 mm)	3.4 l / 0.89 gal	-	10.5	15.000	3.968	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 depends on contamination level of potable water.

Specifications:

- Media: FDA approved ion exchange resin
- Filter Life: 3 - 6 months
- Operating Pressure: 6 bar (90 psi)
- Minimum Temperature: 2°C (35°F)
- Maximum Temperature: 40°C (104°F)
- 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 FCCST* series, filters with FCPS or FCPP cartridge need to be installed before FCCST series cartridges. Improper installation and maintenance may result in property damage due to water leakage.

* not applicable for FCCST-STO cartridge.

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

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