

CA-SE HF BX extruded carbon block and "hollow fibre" capillary membranes - 0.15 and 0.02 micron throw-away cartridge



APPLICATIONS

Filtration of: very fine particles and microorganisms; elimination of unpleasant odours and flavours caused by chlorine or other organic substances; removal of pesticides, insecticides, chlorinate solvents.

Domestic use: ultra-filtration, micro-filtration and treatment of drinking water in point-of-use appliances.

Technical use: ultra-filtration, micro-filtration and pre-treatment for the protection of reverse osmosis units. Anti-chlorine treatment in alimentary, chemical and pharmaceutical industry.

Average life-span: about 6 months.

Maintenance: surface scraping every 2 - 3 months.

Remark - Use a pre-filter to protect the cartridge.

WORKING CONDITIONS

Max working temperature _____ 45°C

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Filtering medium: extruded activated carbon block, HF capillary membranes polyethersulphone (PES), HF tube high impact polystyrene (HIPS).

End caps: polypropylene.

O-ring: EPDM.

suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Senior	CA-SE 10 HF BX 0,15 mcr	10"	250	67	32	600
Senior	CA-SE 10 HF-U BX 0,02 mcr	10"	250	67	32	300



The large pores are on the outer wall surface of the capillary.



cartridge section showing membranes element

VARIANT available on minimum quantity

Cartridges with flat seals SX



CA-SE HF cartridge provides a dual filtration process:

- outer carbon block element: removes harmful chemical contaminants as pesticides, herbicides and chloride compounds; removes chlorine bad tastes and odours.
 - inner "hollow fibre" capillary membranes element "Ster-O-Tap" NSF Standard 42 and 53 listed: provides micro-filtration at 0,15 micron capable to remove the finest sediments and major part of harmful Bacteria (*E. coli*, *Salmonella*, *V. Cholerae*, *Legionella*, etc.) and Protozoans cysts (*Giardia*, *Cryptosporidium*) [Microbial tests on *Brevundimonas (Pseudomonas) diminuta*]. The capillary membranes element with ultra-filtration at 0.02 micron removes also major part of Viruses.
- The large surface of contact provided by the membranes allows high water flow at low pressure drop.

