Micro-filtration and Ultra-filtration of fine sediments, removal of microbes, reduction of chlorine, taste, odour (CTO); volatile organic compounds (VOC); heavy metals (Pb models).

Average life-span: 3-6 months.

Maintenance: none.

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

Activated carbon block made from coconut shell, providing fine sediment filtration and reduction of chlorine, taste, odour (CTO) and volatile organic compounds (VOC) provided with hollow-fibre membrane module for Micro-filtration at 0.15 micron or Ultra-filtration at 0.02 micron. CA-SE HF models at 0.15 micron remove the finest sediments and major part of harmful Bacteria (E. coli, Salmonella, V.cholerae, Legionella, Pseudomonas) and protozoan Cysts (Giardia, Cryptosporidium). CA-SE HF-U models at 0.02 micron remove Bacteria and Virus. All CA-SE HF models are available with height 10”.

**WORKING CONDITIONS**

Max working temperature: 45°C (113°F)
Min working temperature: 4°C (39.2°F)

**SPECIFICATIONS**

Non-toxic materials, suitable for drinking water.
Filter and treatment medium: sintered block of activated carbon powder.
Micro and Ultra-filtration membranes: polyethersulphone (PES), HF tube high impact polystyrene (HIPS), End caps: polypropylene.
O-rings BX: EPDM.

**CARBON BLOCK WITH HOLLOW FIBRES WITH DOUBLE O-RING COLLAR 45 MM**

<table>
<thead>
<tr>
<th>CODE</th>
<th>MODEL</th>
<th>NOMINAL HEIGHT</th>
<th>NOMINAL FILTRATION MICRON</th>
<th>RECOMMENDED FLOW RATE [l/h]</th>
<th>DIMENSIONS [MM]</th>
</tr>
</thead>
<tbody>
<tr>
<td>RE5375530</td>
<td>CA-SE 10 HF-U BX 0.02 mcr</td>
<td>10”</td>
<td>0.02</td>
<td>100</td>
<td>248 67 25</td>
</tr>
<tr>
<td>RE5375520</td>
<td>CA-SE 10 HF BX 0.15 mcr</td>
<td>10”</td>
<td>0.15</td>
<td>400</td>
<td>248 67 25</td>
</tr>
</tbody>
</table>

**CARBON BLOCK WITH HOLLOW FIBRES WITH DOUBLE O-RING COLLAR 45 MM**

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<th>CODE</th>
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<th>NOMINAL FILTRATION MICRON</th>
<th>RECOMMENDED FLOW RATE [l/h]</th>
<th>DIMENSIONS [MM]</th>
</tr>
</thead>
<tbody>
<tr>
<td>RE5375550</td>
<td>CA-SE 10 HF-U Pb BX 0.02 mcr</td>
<td>10”</td>
<td>0.02</td>
<td>100</td>
<td>248 67 25</td>
</tr>
<tr>
<td>RE5375540</td>
<td>CA-SE 10 HF Pb BX 0.15 mcr</td>
<td>10”</td>
<td>0.15</td>
<td>400</td>
<td>248 67 25</td>
</tr>
</tbody>
</table>

**FLOW RATE vs PRESSURE DROP Δp**

Tests carried on 10” elements type CA SE HF-U 10 SX.
Testing mode: 20°C, 3 BAR

The inner “Ster-O-Tap®” element (NSF 42 and 53 listed) with “hollow-fibre” capillary membranes is made in 2 models to provide Micro-filtration at 0.15 micron (tested against Brevimundimonas (Pseudomonas) diminuta) or Ultra-filtration at 0.02 micron. The hollow fibre membranes element is designed to provide a very large contact surface, resulting in high water flow and low pressure drop at stated filter rates.

CA-SE HF cartridges are available in a variety of:

**CONFIGURATIONS:**
- BX proprietary configuration with double o-ring collar 45 mm, suitable to PLUS 3P BX housings, DP housings, K DP housings.

**MODELS:**
- CA-SE HF series 10” to 10” OD 2.40” x ID 1.10”, BX configurations.

**CERTIFICATIONS**

CA-SE HF cartridges are tested and certified under the most stringent procedures worldwide, in compliance with DM 25 (Italy), with the sanitary certification EAC/Ghostreghistrizia (Russia) and WaterMark (Australia).