LOFSORB™
activated carbon filter cartridges

Eaton’s LOFSORB filter cartridges are suitable for the filtration of potable water, spirits, water based and organic solvents (for removal of colour, smell and taste contamination), galvanic bath (removal of organic contamination from nickel and copper baths).

Features and benefits
- economical alternative to granular carbon cartridges
- Pressed and extruded under high pressure
- Prevent carbon particles passing into the filtrate
- Excellent adsorption characteristics for chlorine and organic compounds

Design
Filter material
Bonded porous activated carbon block (85 – 90% coconut shell, 10 – 15% others)
Binder
HDPE
Outside pre-filter
Type 01 and 04: Polypropylene fleece and net
Type 02: Washed polypropylene yarn
Gaskets
Type 01 and 04: Ethylene-octene copolymer
Type 02: Polypropylene
Retention ratings (pre-filter)
Type 01 and 04: 1, 5, 10 μm
Type 02: 5 μm

Technical data
Nominal lengths
Type 01: 4.875”, 5”, 9.75”, 20”, 30” (12.4, 12.7, 24.8, 50.8; 76.2 cm)
Type 02: 9.75”, 20” (24.8, 50.8 cm)
Type 02: 5”, 9.75”, 10”, 20”, 30” (12.7, 24.8, 25.4, 50.8, 76.2 cm)
Outside diameters
Type 02: 2.8” (7.1 cm)
Type 04: 4.3” (11.0 cm)
Type 02: 2.6” (6.5 cm)
Inside diameters
Type 01: 1.0” (2.6 cm)
Type 04: 1.1” (2.8 cm)
Type 02: 1.1” (2.7 cm)
Recommended flow rate
8 l/min per 10” element
Weights of active carbon
Type 01: 4.875”: 180 g
5”: 180 g
9.75”: 360 g
20”: 720 g
30”: 1,080 g
Type 04: 9.75”: 1,100 g
20”: 2,200 g
Type 02: 5”: 95 g
9.75”: 190 g
10”: 190 g
20”: 380 g
30”: 570 g
Max. operating temperature
52°C
Max. differential pressures
Type 01 and 04: 7 bar
Type 02: 2.5 bar
LOFSORB activated carbon filter cartridges

Flow rate*
(Water, 21 °C per 10’ filter cartridge)

<table>
<thead>
<tr>
<th>Flow rate</th>
<th>Differential pressure</th>
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<tbody>
<tr>
<td>0 l/min</td>
<td>0 bar</td>
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<tr>
<td>1 l/min</td>
<td>0.05 bar</td>
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<tr>
<td>2 l/min</td>
<td>0.10 bar</td>
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<tr>
<td>3 l/min</td>
<td>0.15 bar</td>
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<tr>
<td>4 l/min</td>
<td>0.20 bar</td>
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<td>5 l/min</td>
<td>0.25 bar</td>
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<td>6 l/min</td>
<td>0.30 bar</td>
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<td>7 l/min</td>
<td>0.35 bar</td>
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<td>8 l/min</td>
<td>0.40 bar</td>
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<td>9 l/min</td>
<td>0.45 bar</td>
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<td>10 l/min</td>
<td>0.50 bar</td>
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<td>11 l/min</td>
<td>0.55 bar</td>
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<td>12 l/min</td>
<td>0.60 bar</td>
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<td>13 l/min</td>
<td>0.65 bar</td>
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<td>14 l/min</td>
<td>0.70 bar</td>
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<td>15 l/min</td>
<td>0.75 bar</td>
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<td>16 l/min</td>
<td>0.80 bar</td>
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<td>17 l/min</td>
<td>0.85 bar</td>
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<td>18 l/min</td>
<td>0.90 bar</td>
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<tr>
<td>19 l/min</td>
<td>0.95 bar</td>
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<tr>
<td>20 l/min</td>
<td>1.00 bar</td>
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<tr>
<td>21 l/min</td>
<td>1.05 bar</td>
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<tr>
<td>22 l/min</td>
<td>1.10 bar</td>
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<tr>
<td>23 l/min</td>
<td>1.15 bar</td>
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<td>24 l/min</td>
<td>1.20 bar</td>
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<td>25 l/min</td>
<td>1.25 bar</td>
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<tr>
<td>26 l/min</td>
<td>1.30 bar</td>
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<tr>
<td>27 l/min</td>
<td>1.35 bar</td>
</tr>
<tr>
<td>28 l/min</td>
<td>1.40 bar</td>
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</tbody>
</table>

* For liquids other than water, multiply pressure drop by fluid viscosity in centipoise.

Ordering code

**Nominal lengths**
- 4: 4.875’
- 5: 5’
- 9: 9.75’
- 10: 10’
- 20: 20’
- 30: 30’

**Filter type**
- LA: LOFSORB
- -E: Extruded

**Filter materials**
- 01: Polypropylene fleece and net, diameter 2.8’ (7.1 cm) (type 01)
- 02: Washed polypropylene yarn (type 02)
- 04: Polypropylene fleece and net, diameter 4.3’ (11.0 cm) (type 04)

**Retention ratings**
- 1: 1 μm
- 2: 5 μm
- 3: 10 μm

**Request a Quote Today!**