

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).

LOFSORB activated carbon filter cartridges are characterized by a very good adsorption capacity, removing unwanted free chlorine and organic compounds from water or other liquids.

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"
(124, 127, 248, 508, 762 mm)
Type 04: 9.75", 20" (248, 508 mm)
Type 02: 5", 9.75", 10", 20", 30"
(127, 248, 254, 508, 762 mm)

Outside diameters

Type 01: 2.8" (71 mm)¹
Type 04: 4.3" (110 mm)
Type 02: 2.6" (65 mm)

Inside diameters

Type 01: 1.0" (26 mm)
Type 04: 1.1" (28 mm)
Type 02: 1.1" (27 mm)

Recommended flow rate

2.11 gpm (8l/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

126 °F (52 °C)

Max. differential pressures

Type 01 and 04: 101 psid (7 bar)
Type 02: 36 psid (2.5 bar)

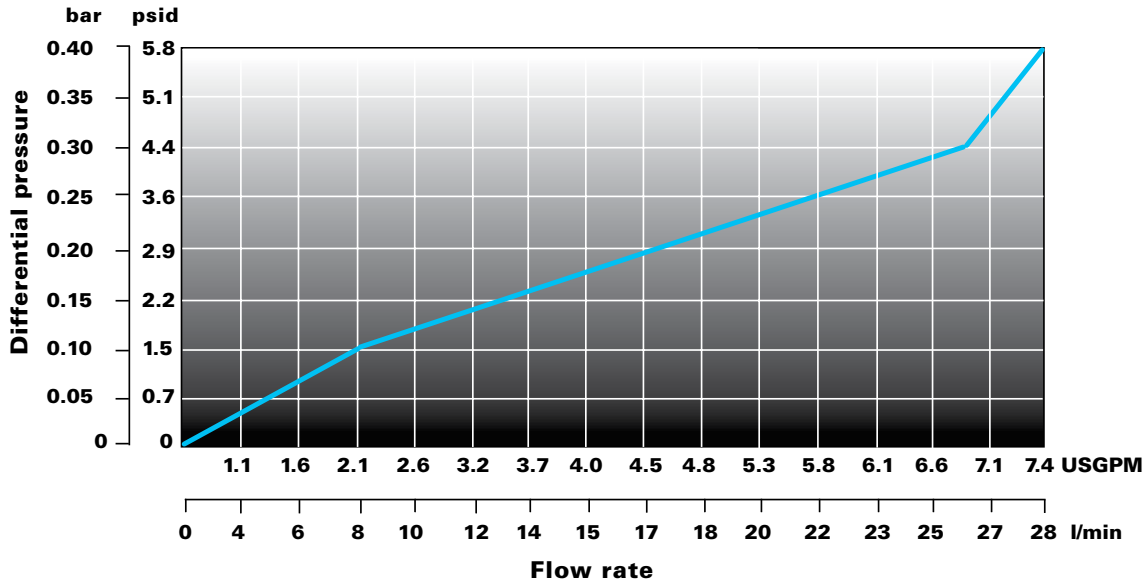


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Flow rate*

(70 °F/21 °C per 10" filter cartridge for water)



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

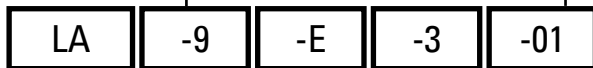
Ordering code

Nominal lengths

- 4: 4.875"
- 5: 5"
- 9: 9.75"
- 10: 10"
- 20: 20"
- 30: 30"

Filter materials²

- 01: Polypropylene fleece and net, diameter 2.8" (71 mm) (type 01)
- 02: Washed polypropylene yarn (type 02)
- 04: Polypropylene fleece and net, diameter 4.3" (110 mm) (type 04)



Filter type
LA: LOFSORB

Activated carbon
-E: Extruded

Retention ratings²
-1: 1 µm
-2: 5 µm
-3: 10 µm



Type 01 and 04

Type 02

¹ Please note: Due to the outside diameter of 2.8" (71 mm), LOFSORB range 01 will not fit into the standard housing of the TOPCART™ range (from TKF-609 up). Special constructions are available upon request.

² Regarding the length selection and filter units for the various types, please refer to the relevant information on the first page.

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