



Rigid Resin Bonded Filters

"Eaton's LOFCLEAN filters are ideally suited for paints, inks, sealants, adhesives, lacquers, varnishes, shellacs, fuel oils, crude oils, grease, machine coolants, silicones, antifreeze, plasticizers, animal oils and many other applications."

LOFCLEAN Series acrylic fiber/phenolic resin filters have an extremely rigid pore structure which allows the filter to withstand extremes of viscosity and temperature without compression or collapse. The true-graded density design traps coarse particles in the outer zones while finer particles are captured near the core.

Features and Benefits

- Retentions from 1 to 100 microns
- Enhanced surface area for longer life
- No metal or plastic core

- Phenolic resin/acrylic fiber construction resists dirt unloading at high differential pressure
- Optional end cap configuration for compatibility with most vessels

Filter Specifications

Media

Acrylic Fiber/Phenolic Resin

Optional End Caps

Polyester

Multi-length bonding agent

Polyamide Hot Melt

Gasket/O-Rings

Silicone, EPDM, Buna N, Viton® and Teflon® encapsulated Viton (O-rings only)

Micron ratings

1, 3, 5, 10, 25, 50, 75, 100 µm

Dimensions / Parameters

Nominal lengths

9.75", 10", 19.5", 20", 29.25", 30", 39", 40"
(24.8, 25.4, 49.5, 50.8, 74.3, 76.2, 99.1, 101.6 cm)

Outside diameter

2.45" (6.22 cm)

Inside diameter

15/16" (2.38 cm)

Max. operating temp.

252°F (122°C) for 9.75" length in liquids
212°F (100°C) for lengths longer than 9.75" in liquids
176°F (80°C) in gas

Differential pressure

70 psid @ 70°F (4.8 bar)

Recommended change-out pressure for disposal

35 psid (2.4 bar)



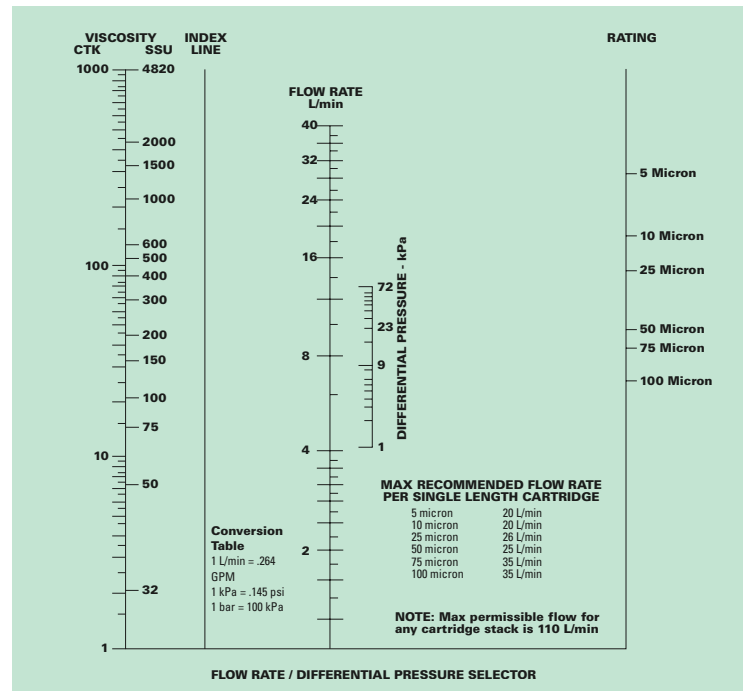
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Flow Rate Nomograph

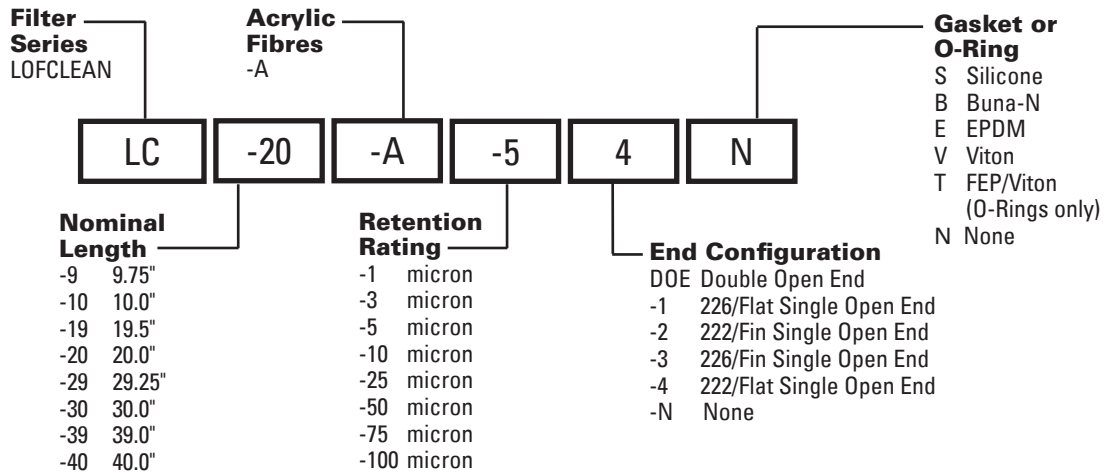
To determine the flow rate and pressure drop for a specific application, first determine your required flow rate per single length cartridge, then refer to the nomograph on the right and proceed as follows:

1. Select the required micron grade from the "RATING" line.
2. Using a straightedge, draw a line from the grade mark, through the desired "DIFFERENTIAL PRESSURE", to the "INDEX" line.
3. Choose the viscosity of the fluid to be filtered on the "VISCOSITY" line.
4. Using a straightedge, draw a line from the viscosity mark, intersecting the mark made previously on the "INDEX" line, to the "FLOW RATE" line. Ensure the resulting flow rate does not exceed that set out in the table on the nomograph.
5. Repeat the exercise at various differential pressures, to achieve an acceptable combination of flow rate and differential pressure to meet your specific requirement.

Note: For chemical compatibility, flow rates, and temperature requirements please consult the factory or your local Eaton distributor.



Filter Specification Code



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