Filtration Products

Powering Business Worldwide

Wide range of filter cartridges offer complete filtration solutions for industrial processes

Cartridge filters can be the logical choice for a variety of applications. Eaton provides high quality depth, pleated and membrane filter cartridges with retention ratings ranging from 0.05 µm and 150 µm with outstanding dirt-holding capacity.

In addition to a wide range of sizes and various adapter codes, Eaton offers cartridges with different filter materials such as polypropylene, nylon, PTFE and more.

Eaton's industrial process filter cartridges provide consistent, high performance and cost-effective solutions for both common and more challenging industrial applications, varying from pre-filter for high purity water up to final filtration for paints and lacquers, or total filtration for various chemicals. The product range contains many single and multi-cartridge filter housings made of stainless steel and plastic designed for ease-of-use, even in the most demanding industries and filtration applications. Eaton also supplies a wide range of customized filtration and separation solutions.

Markets

- Chemical
- Electronics
- Metals
- Oil & Gas
- Power
- Pulp & Paper
- Water/Wastewater

Selection guide

DEPTH FILTER CARTRIDGES

LOFTREX™ / LOFTREX™ Nylon

Nominal rated filter cartridges are manufactures from meltblown polypropylene or polyamide 6 microfibers for general industrial applications.

LOFTREX™ M

95% nominal rated filter cartridges are manufactured from high purity polypropylene microfibers. Available with support core and various end caps for a wide range of applications.

LOFTOP™

99.98% absolute rated filter cartridges made of polypropylene microfibers. Available with support core and various end caps for the most demanding applications requiring high efficiency and performance.

LOFTOP™ Nylon

99.98% absolute rated filter cartridges made of polyamide 6.6 microfibers. Available with support core and various end caps for wide range of applications requiring high temperature and chemical resistance.

LOFTOP™ Coreless

99.98% absolute rated, large diameter filter cartridges made of polypropylene, alternatively polyamide 6.6 microfibers for applications with high flow rates.

LOFWIND™

Offers a solution for basic filtration needs through a wide range of material choices and retention ratings. Materials include polypropylene, cotton and glass fiber with polypropylene and stainless steel support cores.

LOFSORB™

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characterized by a very good adsorption capacity for free chlorine and organic compounds.

LOFMET™

Porous titanium filter cartridges are designed for applications involving extreme operating conditions and aggressive fluids and gases.

PLEATED FILTER CARTRIDGES

LOFPLEAT™ EE

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performance in a wide range of applications.

LOFPLEAT™ AG

Pleated polypropylene filter media provides an absolute filtration in a wide range of applications.

LOFPLEAT™ GG

Features high efficiency micro fiberglass media for a wide variety of industrial applications requiring chemical resistance and long life.

LOFPLEAT™ HF and HF-G

Large diameter cartridges designed with pleated media construction in polypropylene or micro

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(with conversion kit).

MEMBRANE FILTER CARTRIDGES

LOFPLEAT™ CP

Large diameter cartridges combine high efficiency with extreme surface area for retrofitting in specific filtration systems.

LOFMEM™ W and N

Industrial grade PES and Nylon 6.6 membrane filter cartridges offer high efficiencies combined with large surface area for general and specialized industrial applications.

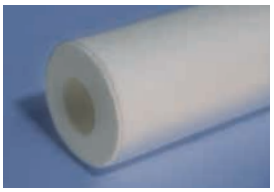
LOFMEM™ T and TFA

PTFE membrane filter cartridges offer precision filtration under harsh, corrosive environments. Available with polypropylene components (LOFMEM T) or all fluoropolymer construction (LOFMEM TFA).

Overview of available adapter codes

ADAPTER CODES

Code (): Double open end (DOE) without end caps (only LOFTREX, LOFTREX-M, LOFTOP and LOFTOP Nylon)



Code G: Double open end (DOE) with foamed Polyethylene flat gaskets (only LOFTREX and LOFTOP)

Code DOE: Double open end (DOE) with flat gaskets (only LOFPLEAT, LOFMEM and LOFMET)

Code 1: Single open end (SOE) with double bayonet adapter (2-226 O-ring) and flat end cap

Code 2: Single open end (SOE) with adapter (2-222 O-ring) and end cap with fin

ADAPTER CODES

Code 3: Single open end (SOE) with double bayonet adapter (2-226 O-ring) and end cap with fin

Code 4: Single open end (SOE) with adapter (2-222 O-ring) and flat end cap

Code M1 and M2: Single open end (SOE) with 3/4" male NPT threaded end (Code M1) respectively 1" male NPT threaded end (Code M2) (only LOFMET)

Technical data

Filter cartridge type	LOFTREX	LOFTREX Nylon	LOFTREX M	LOFTOP	LOFTOP Nylon	LOFTOP Coreless	LOFWIND
Filter material	Polypropylene	Polyamide 6	Polypropylene, Polyamide 6.6	Polypropylene	Polyamide 6.6	Polypropylene, Polyamide 6.6	Bleached cotton, Fiberglass, washed Polypropylene
Retention rating (µm)	1, 3, 5, 10, 20, 50, 75	1, 5, 10, 25, 50, 100	1, 3, 5, 10, 20, 50, 90, 150	0.50, 1, 3, 5, 10, 20, 50, 90, 120	1, 3, 5, 10, 20, 50	1, 5, 10, 20, 40, 70, 90, 120	0.50, 1, 5, 10, 25, 50, 75, 100, 150
Retention efficiency	80%	90%	95%	99.98%	99.98%	99.98%	Nominal
Lengths (nominal)	9.75", 10", 19.5", 20", 29.25", 30", 40"	9.75", 19.25", 20", 29.25", 30", 40"	5", 9.75", 10", 9.5", 20", 29.25", 30", 39", 40"	10", 20", 30", 40"	10", 20", 30", 40"	20", 40"	5", 9.75", 10", 19.5", 20", 29.25", 30", 40"
Adapter code	()	–	(), G, 1, 2, 3, 4	(), G, 1, 2, 3, 4	(), G, 1, 2, 3, 4	()	()
Inner core	–	–	Polypropylene or Polyamide 6.6 (fiberglass reinforced)	Polypropylene	Polyamide 6.6 fiberglass reinforced	–	Polypropylene, Stainless steel
End caps	–	–	Polypropylene or Polyamide 6.6	Polypropylene	Polyamide 6.6	–	–
Cages	–	–	–	–	–	–	–
Max. operating temperature	149 °F (65 °C)	248 °F (120 °C)	Polypropylene: 176 °F (80 °C) Polyamide 6.6: 302 °F (150 °C)	176 °F (80 °C)	302 °F (150 °C)	Polypropylene: 176 °F (80 °C) Polyamide 6.6: 266 °F (130 °C)	Polypropylene: 176°F (80 °C) Cotton: 320°F (160 °C) Glass fiber: 75
Max. pressure difference in flow direction	29 psid @ 70 °F (2.0 bar @ 21 °C)	36 psid @ 70 °F (2.5 bar @ 21 °C)	Polypropylene: 58 psid @ 77 °F (4.0 bar @ 25 °C) Polyamide 6.6: 90 psid @ 86 °F (6.2 bar @ 30 °C)	58 psid @ 77 °F (4.0 bar @ 25 °C)	90 psid @ 86 °F (6.2 bar @ 30 °C) 80 psid @ 158 °F (5.5 bar @ 70 °C) 70 psid @ 212 °F (4.8 bar @ 100 °C) 50 psid @ 302 °F (3.4 bar @ 150 °C)	Polypropylene: 58 psid @ 77 °F (4.0 bar @ 25 °C) 14.5 psid @ 176 °F (1.0 bar @ 80 °C) Polyamide 6.6: 58 psid @ 90 °F (4.0 bar @ 32 °C) 14.5 bar @ 266 °F (1.0 bar @ 130 °C)	36 psid @ 86 °F (2.5 bar @ 30 °C)

Technical data

Filter cartridge type	LOFSORB	LOFMET	LOFPLEAT EE	LOFPLEAT AG	LOFPLEAT GG
Filter material	Activated carbon block	Titanium	Polypropylene	Polypropylene	Borosilicate micr with acrylic binder
Retention rating (µm)	Type 01/04: 1, 5, 10 Type 02: 5	0.50, 1, 5, 10, 15, 35, 50, 100	0.20, 1, 5, 10	0.20, 0.45, 1, 5, 10, 25, 50	0.45, 1, 3, 10
Retention efficiency	Nominal	99.5%	90%	99.98%	90%
Lengths (nominal)	4.875", 5", 9.75", 20", 30" (type 01) 5", 9.75", 10", 20", 30" (type 02) 9.75", 20" (type 04)	5", 9.75", 10", 20", 30", 40"	10", 20", 30", 40"	10", 20", 30", 40"	10", 20", 30", 40"
Adapter code	()	DOE, 1, 4, M1, M2	DOE, 1, 2, 3, 4	DOE, 1, 2, 3, 4	DOE, 1, 2, 3, 4
Inner core	–	–	Polypropylene	Polypropylene	Polypropylene
End caps	Ethylene-octene copolymer (type 01/04), polypropylene (type 02)	Titanium	Polypropylene	Polypropylene	Polypropylene
Cages	Polypropylene feece and net		Polypropylene	Polypropylene	Polypropylene
Max. operating temperature	126 °F (52 °C)	700 °F (371 °C)	176 °F (80 °C)	176 °F (80 °C)	176 °F (80 °C)
Max. pressure difference in fow direction	101 psid (7.0 bar) (type 01/04) 36 psid 2.5 bar (type 02)	250 psid (17.4 bar)	58 psid @ 70 °F (4.0 bar @ 21 °C) 35 psid @ 176 °F (2.4 bar @ 80 °C)	58 psid @ 70 °F (4.0 bar @ 21 °C) 35 psid @ 176 °F (2.4 bar @ 80 °C)	75 psid @ 70 °F (5.2 bar @ 21 °C) 30 psid @ 176 °F (2.1 bar @ 80 °C)

Filter cartridge type	LOFPLEAT HF	LOFPLEAT HF-G	LOFPLEAT CP	LOFMEM W	LOFMEM N	LOFMEM T	LOFMEM TFA
Filter material	Polypropylene	Micro fber Polypropylene	Polypropylene	Polyethersulfone (PES)	Nylon 6.6 membrane	PTFE membrane	PTFE membrane
Retention rating (µm)	1, 5, 10, 20, 40, 60	1, 2.5, 4.5, 10, 20	1, 5, 10, 20, 30, 40, 70	0.05, 0.10, 0.20, 0.45, 0.65	0.20, 0.45, 1	0.05, 0.10, 0.20, 0.45, 1	0.05, 0.10, 0.20, 0.45, 1
Retention efficiency	99.9%	99.9%	99.98%	Absolute	Absolute	Absolute	Absolute
Lengths (nominal)	20", 40", 60"	20", 40", 60"	39"	10", 20", 30", 40"	10", 20", 30", 40"	10", 20", 30", 40"	10", 20", 30", 40"
Adapter code	–	–	–	DOE, 1, 2, 3, 4	DOE, 1, 2, 3, 4	DOE, 1, 2, 3, 4	4
Inner core	–	–	Polypropylene	Polypropylene	Polypropylene	Polypropylene	PFA
End caps	Polypropylene	Polypropylene or polyacetal	Polypropylene	Polypropylene	Polypropylene	Polypropylene	PFA
Cages	Polypropylene	Polypropylene or polyester	Polypropylene	Polypropylene	Polypropylene	Polypropylene	PFA
Max. operating temperature	176 °F (80 °C)	Polypropylene: 180 °F (82 °C) Polyacetal: 230 °F (110 °C)	176 °F (80 °C)	176 °F (80 °C)	176 °F (80 °C)	203 °F (95 °C)	300 °F (150 °C)
Max. pressure difference in fow direction	43 psid @ 70 °F (3.0 bar @ 21 °C)	Polyacetal: 75 psid @ 70 °F (5.2 bar @ 21 °C) 50 psid @ 230 °F (3.5 bar @ 110 °C) Polypropylene: 50 psid @ 77 °F (3.5 bar @ 25 °C) 20 psid @ 176 °F (1.4 bar @ 80 °C)	43.5 psid @ 70 °F (3.0 bar @ 21 °C)	75 psid @ 70 °F (5.2 bar @ 21 °C) 30 psid @ 176 °F (2.1 bar @ 80 °C)	58 psid @ 70 °F (4.0 bar @ 21 °C)	80 psid @ 70 °F (5.5 bar @ 21 °C) 40 psid @ 160 °F (2.8 bar @ 71 °C)	80 psid @ 75 °F (5.5 bar @ 24 °C) 55 psid @ 167 °F (3.8 bar @ 75 °C) 30 psid @ 257 °F (2.1 bar) @ 125 °C) 15 psid @ 300 °F (1.0 bar @ 150 °C)

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Powering Business Worldwide

QUALITY SYSTEM CERTIFICATION
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