HIGH FLOW PLEATED FILTERS

LARGE DIAMETER, SINGLE OPEN-ENDED PLEATED CARTRIDGE FILTERS

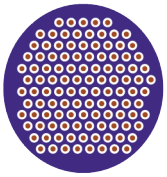
Cobetter Hgh Flow Filters are large diameter, single open-ended pleated cartridge filters for high flow applications. The filter has an open-pleated construction with a 152 mm (6") diameter, high filtration area, and high flow rates up to 90m³/hr (396 gpm). These filters can be can be used in a wide variety of applications with large flow rate requirements and short downtime for change-out.

FEATURE	BENEFIT
Pleated depth filter construction	Large filtration area and depth filter construction provides high flow rates combined with low pressure drops and long service life.
3 Medias - Glass Fiber Polypropylene Polyester	Eliminates particles according to pore size distribution which significantly increases filter lifetime.
	Flow rate configuration from inside-out ensures that all contamination is held within the single-open end of the filter.
	Quick and easy change-out. Reduces number of filters by 90%.
Ergonomical Handle	Facilitates fast and easy installation and removal without special tools.
Quality Assurance	These products are manufactured in a facility which adheres to ISO 9001:2015 Practices.
Indirect Food Additive	All component materials meet the FDA Indirect Food Additive requirements cited in 21 CFR 177–182.

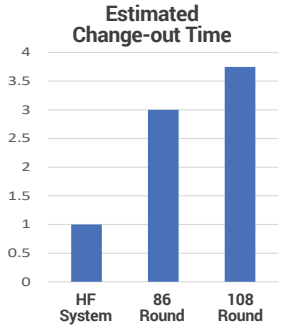
Comparision of Housing Dimension and Element Number [660 gpm (150 m³/hr)]

7 Round
High Flow (HF)
Filtration System

86 Round
Pleated Cartridge
Filtration System



108 Round
Depth Filter System



SPECIFICATIONS

Filter Media	Polyester, glass fiber, Polypropylene
Support/Drainage	Polyester, Polypropylene
Shell, Core, End Caps	Polyester, Polypropylene, Polyformeldehyde
O-rings	Silicone, EPDM, FKM, EPDM coated PTFE
Filter efficiency	99.9% at rated pore size

END CAP CONFIGURATIONS

OD = 154 mm

TEMPERATURE AND PRESSURE SPECIFICATIONS

	HFPBT	HFPP	HFPOM	HFPBT	HFPP
Filter	GF	GF	GF	Polyester	Polypropylene
Construction Material	Polyester	Polypropylene	Polyformeldehyde	Polyester	Polypropylene
Max. Operating temperature	120°C	80°C	110°C	120°C	80°C
Max. Differential pressure	0.30 MPa (3.0 bar, 44 psi) at 120°C	0.20 MPa (2.0 bar, 29 psi) at 80°C	0.30 MPa (3.0 bar, 44 psi) at 120°C	0.30 MPa (3.0 bar, 44 psi) at 120°C	0.20 MPa (2.0 bar, 29 psi) at 80°C

RECOMMENDED OPERATING CONDITIONS

Dimension	Membrane Area	Design Flow	Max Flow Rate
6" * 20"	2.8 m^2 (30 ft^2)	15 m^3/h (66 gpm)	30m^3/h (132 gpm)
6" * 40"	5.6 m^2 (60 ft^2)	30 m^3/h (132 gpm)	60 m^3/h (264 gpm)
6" * 60"	8.4 m^2 (90 ft^2)	45 m^3/h (198 gpm)	90 m^3/h (396 gpm)

ORDERING INFORMATION

EXAMPLE: **HFPBT150GF-PET050040E-C** = Glass fiber with polyester support cage/core/endcap, polyester filter media, 5 µm, 40" filter with EPDM gaskets

HF [ ] **150** [ ] [ ] [ ] [ ] – [ ]

Cage/Core/Endcap Material
PBT = Polyester
PP = Polypropylene
POM = Polyformaldehyde (APBTX Media only)

Outer Diameter
150 = 150 mm

Filter Media and Support Layer
GF-PET = Glass Fiber with Polyester Support
APBTX = All Polyester
PP = Polypropylene

Removal Rating
APBTX:
0100 = 1.0 µm
0500 = 5.0 µm
1000 = 10.0 µm
PP:
0050 = 0.5 µm
0100 = 1.0 µm
0100 = 2.0 µm
0500 = 5.0 µm
1000 = 10.0 µm
2000 = 20.0 µm
4000 = 40.0 µm
5000 = 50.0 µm
7000 = 70.0 µm
9000 = 90.0 µm

GF-PET:
0100 = 1.0 µm
0500 = 5.0 µm
1000 = 10.0 µm

Nominal Length
20 = 20"
40 = 40"
60 = 60"

Seal Material
S = Silicone
E = EPDM
V = FKM
P = EPDM Coated PTFE

Application
C = Chemical

BannerIndustries

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