



Chemicals



Oil/Gas



Air/Gas



Coolants

HCG SERIES Pleated Cellulose/Glass Cartridges

FEATURES:

- Pleated cellulose/glass cartridges available in a variety of configurations
- Effective removal at 96.67%(Beta 30) efficiency from 1 μm nominal and at 98.67%(Beta 75) efficiency from 3 μm absolute.
- Plated steel end caps and core help protect the element.
- Element uses phenolic resin impregnated cellulose & micro glass fibres.
- Spiral formed, plated steel center cores are standard to prevent cartridge collapse at high differential pressures.
- Elements come standard with Buna-n gaskets with others available.
- Can be used to replace other manufacturers elements.
- For custom applications, please contact factory.

TYPICAL APPLICATIONS

- Amines
- Condensates
- Cutting Oils
- Fuel Oils
- Glycols
- Hydraulic Oils
- Diesel Oils
- Jet Fuels
- Naptha
- Lube Oils
- Process Water
- Quench Oils
- Cooling Oils
- Transformer Oils

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HCG SERIES

Pleated Cellulose/Glass
Cartridges
Nominally Rated

ELEMENT SPECIFICATIONS

Maximum Differential Pressure
75 PSID (4bar) @250°F(121°C)

Dimensions

300 Series

Outside Diameter Inside Diameter
2 ½" 1 1/16"

500 Series

Outside Diameter Inside Diameter
4 ½" 1 ¾"

600 Series

Outside Diameter Inside Diameter
6" 3 ½"

700 Series

Outside Diameter Inside Diameter
6" 2 ¾"

MATERIALS OF CONSTRUCTION

Media

Pleated Cellulose/Microglass

End Caps

Plated steel
Buna gaskets

Core:

Pleated Spiral Steel

Temperature Limit:

250°F (121°C)

CARTRIDGE SPECIFICATIONS

HCG SERIES

HCG cartridges are your high efficiency pleated filters that are made up of special resin impregnated cellulose and micro glass fibres. This combination of the two materials ensures consistent high flow rates and efficient filtration every time. These pleated filters are best used in water, chemical and petroleum based fluid applications.

With such a high glass content present, this assists in protecting the filter against swelling and deterioration which can be a problem when using cellulose based filters. Both the centre core and end caps are made of tin plated steel and Buna gaskets are standard.

HCG | 0.5 MICRON

The 0.5 micron cartridge is considered to be a ½ micron "absolute" filter @ Beta 75. These are best used in applications where jet fuels, diesel fuels, av gasoline and gasoline are found. These are also suited for the removal of carbon fines from potentially critical hydraulic and turbine oil systems.

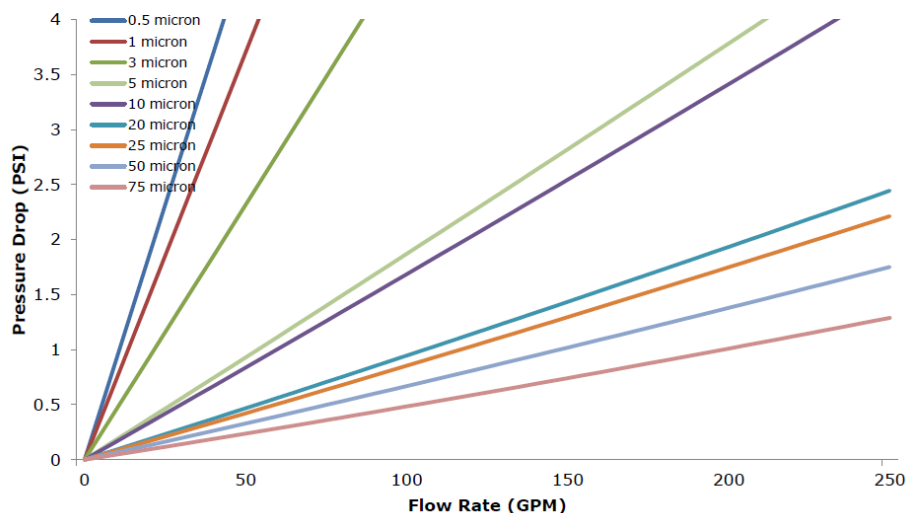
MICRON	EFFICIENCY	BETA
1	96.67%	30
3	98.67%	75
5	99.26%	133
10	99.75%	400
15	99.98%	5000

HCG | 1 MICRON

The 1 micron cartridge is considered a 1 micron "nominal" filter with an efficiency of 96.67% @ Beta 30 and a 3 micron "absolute" filter @ Beta 75. The 1 micron filter is best suited for lube oil, hydraulic, amine and glycol systems

MICRON	EFFICIENCY	BETA
1/2	98.67%	75
1	98.06%	106
3	99.87%	763
5	99.97%	3105
7	99.98%	5000

FLOW CHART



PRODUCT NOMENCLATURE

HCG	6	18	5
SERIES	OUTER DIAMETER	LENGTH	MICRON RATING
HCG – PLEATED GLASS/CELLULOSE MEDIA	3 – 2.5" OD/1.063" ID	14"	0.5 – 0.5 MICRON
	5 – 4.5" OD/1.75" ID	18"	1 – 1 MICRON
	6 – 6" OD/3.5" ID	36"	
	7 – 6" OD/2.625" ID	44"	
		56"	

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