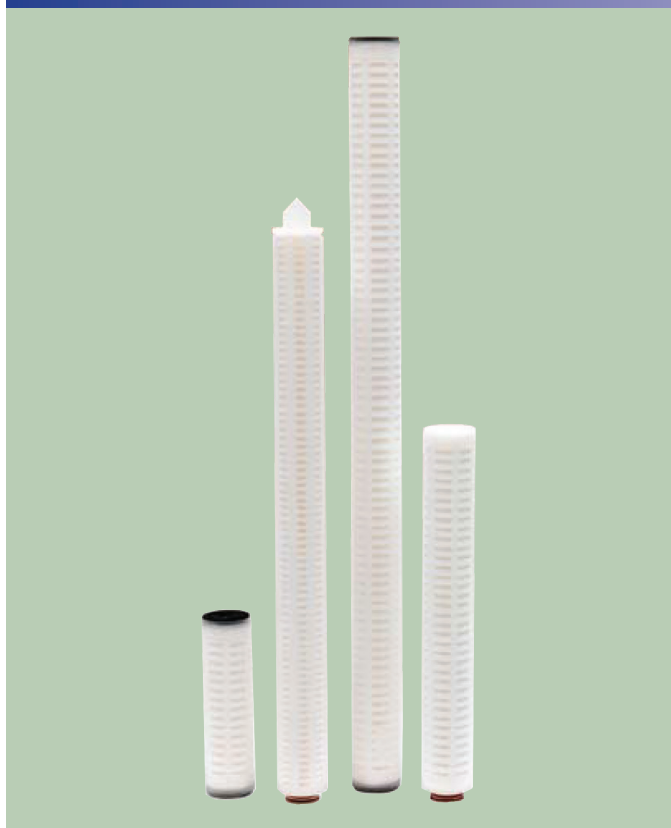


# HP-MG Series Microglass



## Applications

- Chemicals
- Blowdown Postfilter
- Magnetic Tape Coatings
- Oil/Gas
- Paints and Inks
- Wine Prefiltration



## Commercial/Industrial Filtration Applications

### Standard Features

- Manufactured in the USA
- High efficiency retention ratings from 0.2 to 30 microns
- Optimal surface area designed for maximum throughput and high dirt-holding capacity
- Borosilicate microglass media with polypropylene hardware construction offers wide range of chemical compatibility
- Uniform and fixed pore construction eliminates unloading under high differential pressures
- Long service life reduces operator costs
- Rigid, molded cage protects pleated media and strengthens structural stability
- Manufactured in state-of-the-art white room manufacturing environment for high purity
- Available in standard lengths and end cap configurations – fits most filter housings

## Product Specifications

### Micron Sizes (Beta 5000 Absolute Cartridges Available)

0.2, 0.45, 1, 3, 10, and 30

### Cartridge Lengths

9-3/4", 10", 20", 30", and 40"

### Inside and Outside Diameters

1.0" (2.54 cm) ID, 2.67" (6.78 cm) OD

### Media Surface Area

5.0 sq. ft. (0.46 m<sup>2</sup>) per 10 inches filter length

### Maximum Operating Temperature

176°F (80°C) temperature limit

### Recommended Change-Out Differential Pressure

35 psid (2.4 bar)

### Maximum Differential (Collapse) Pressure

80 psid@70°F (5.5 bar@21°C), 40 psid@150°F (2.75 bar @60°C)

### Materials of Construction

Filter media: borosilicate microglass

Support layer: polyester

Cage and end caps: polypropylene

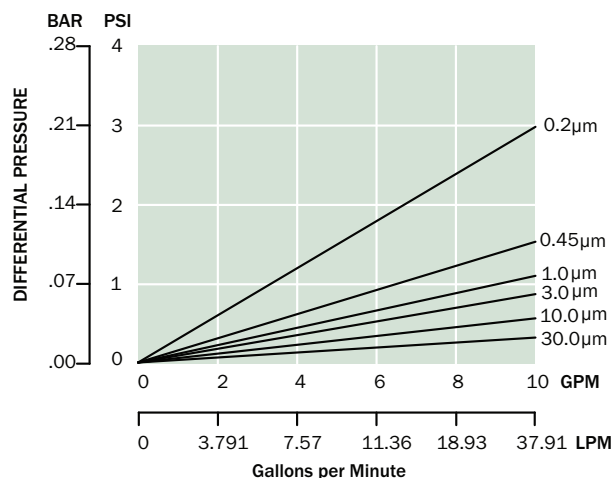
### FDA and USP Compliance

All materials comply with FDA requirements for food contact per CFR Title 21 177.1520. All components meet USP Class VI Plastic biological reactivity tests.

# Ordering Guide (Example: HP-MG-26100-0.2213-T)

HP	-	MG	-	26	100	-	0.2	213	-	T
TYPE		MEDIA		CARTRIDGE DIAMETER	CARTRIDGE LENGTH		MICRON RATING	END CAP		O-RING / GASKETS
HP = High Purity Pleated		MG = Microglass		26 = 2.67" (6.78 cm)	097 = 9-3/4" 100 = 10" 200 = 20" 300 = 30" 400 = 40"		0.2 = 0.2 0.45 = 0.45 1 = 1.0 3 = 3.0 10 = 10.0 30 = 30.0	Blank = DOE/no cap 213 = 213 internal o-ring 213p = 213 internal o-ring Recessed Plug 222f = 222/Flat 222n = 222/Fin 226f = 226/Flat 226n = 226/Fin		E = EPDM B = Buna N S = Silicone V = Viton T = Teflon

## Flow vs. Pressure Drop



This chart represents typical water flow per 10" cartridge length. The test fluid is water at ambient temperature. Extrapolation for multiple elements tends to be linear, but as flows increase the  $\Delta P$  of the housing becomes more apparent.

## Filter Removal Efficiency

MICRON	BETA 10 90%	BETA 100 99%	BETA 5000 99.98%
0.2 micron	0.20	0.6	1.0
0.45 micron	0.45	0.8	2.0
1 micron	1.0	2.0	4.0
3 micron	3.0	5.5	10.0
10 micron	10.0	15.0	18.0
30 micron	30.0	37.0	44.0

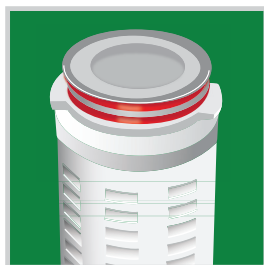
## Case Packs

Each high purity cartridge is individually poly bagged and individually boxed, then master packed into cartons of 12 units in all lengths.

## Available End Cap Configurations



**Filter Housings  
Selection Guide**  
[CLICK HERE](#)



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Contact your **authorized NeoLogic distributor** today:

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