

amaGuard GP filter cartridges

The amaGuard GP glass fibre pleated filter cartridges uses a high quality microfibre glass filter media creating a high performance filter cartridge. The unique design and filter media ensures a high flow, low pressure drops and high dirt load capacity.

The amaGuard GP filter cartridge can be used for liquid as well as for gas applications.

Features

- High capacities at low pressure drops
- Rated at 90% efficiency
- Colour coded polypropylene netting available for easy micron rating identification or hard cage
- Broad chemical compatibility
- Stainless steel hardware available for the use at higher temperatures

Product / Performance specifications

Filter medium	: microfibre glass <i>polyester for 50 micron</i>
Support medium	: polyester
Hardware	: polypropylene or stainless steel 304
Outer cage	: hard polypropylene or polypropylene netting
End cap seal	: thermally bonded <i>stainless steel end caps are epoxy bonded</i>
Gaskets / O-rings	: silicone, EPDM, Buna-N, Viton [®] , PTFE encapsulated silicone, PTFE encapsulated Viton [®]

Dimensions

External diameter	: 66 mm
Length	: see ordering information
Filtration area	: 0.35 m ² / 10" cartridge

Maximum recommended differential pressure

Design	: 5.2 bar at 20 °C 2.8 bar at 65 °C <i>5.1 bar at 121 °C for stainless steel 304 hardware</i>
Operating	: 2.5 bar



Sterilisation

The cartridges can be sterilised in an autoclave for 30 minutes at 121 °C under no end load conditions.

Colour coding for PP netting

Green	: 0.2 micron
Yellow	: 0.45 micron
White	: 1 micron
Blue	: 3 micron
Red	: 10 micron
Purple	: 20 micron
Orange	: 50 micron

Cartridge type	Particle retention [µm]		
	90%	≥99.9%	DOP retention (for gas service)
GP0.2	0.20	1	99.999%
GP0.45	0.45	2	99.998%
GP1	1	4	96%
GP3	3	10	-
GP10	10	18	-
GP30	30	45	-
GP50	50	75	-

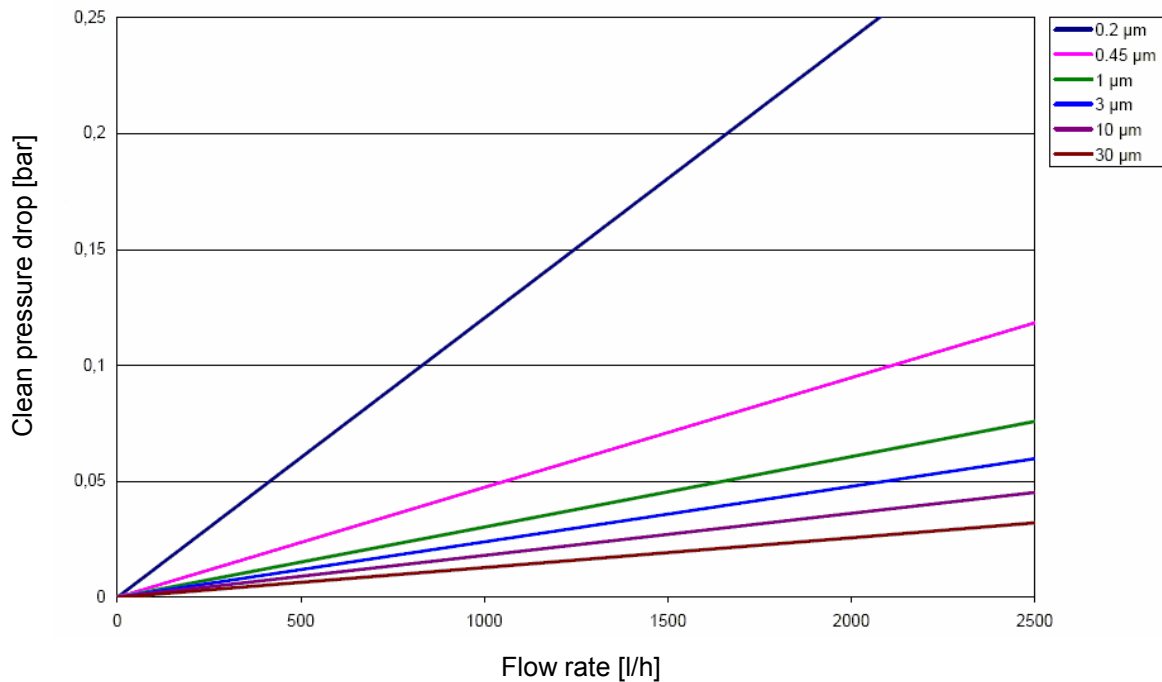
amafiltergroup and CSS approach

amafiltergroup is serving the industry on a world wide basis with Consumables, Services and Systems. We can offer a wide range of filtration solutions, making the amafiltergroup approach very flexible, thus enabling us to meet the customer requirements precisely.



amaGuard GP filter cartridges

Water flow rate for 10" cartridge



Ordering code

amaGuard GP	3	10	U	X3	S
-------------	---	----	---	----	---

<p>amafiltergroup cartridge type amaGuard GP</p>		<p>Gasket / O-ring material S = silicone V = Viton® N = Buna-N E = EPDM T = PTFE encapsulated silicone F = PTFE encapsulated Viton®</p>
<p>Micron ratings [μm] 0.2, 0.45, 1, 3, 10, 30, 50</p>		<p>Cartridge style X3 = SOE with external 222 O-rings * X4 = DOE with flat gaskets X7 = SOE with fin end, bayonet and external 226 O-rings * X8 = SOE with fin end and external 222 O-rings *</p>
<p>Nominal length [inch] 4 (102 mm) 10 (254 mm) 20 (508 mm) 30 (762 mm) 40 (1016 mm)</p>		<p>* only for polypropylene hardware</p>
<p>Hardware material U = polypropylene (outer cage hard PP) A = stainless steel 304 (outer cage PP netting) UN = polypropylene (outer cage PP netting)</p>		