

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>
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Operating	: 2.5 bar
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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	-

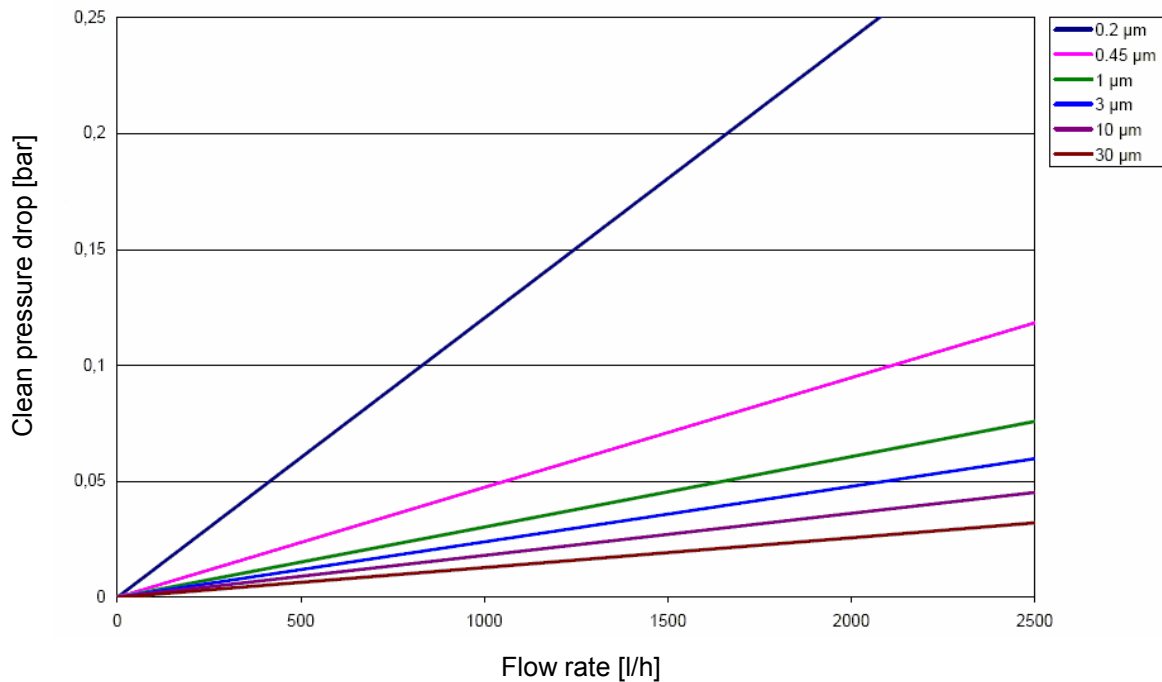
amafiltergroup and CSS approach

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.



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Water flow rate for 10" cartridge



Ordering code

amaGuard GP	3	10	U	X3	S
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<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>		