

amaLloy metal filter cartridges

amaLloy metal filter cartridges are designed for the most extreme operating conditions like high severe temperatures or chemicals. The completely welded 316L stainless steel amaLloy is available in a pleated or cylindrical construction. Together with the different media types, the amaLloy offers you excellent performance in the most extreme applications. The amaLloy is not only suitable for liquids but can also be used for many gas applications.

Features

- Cylindrical and pleated constructions available
- High differential pressures
- High chemical compatibility
- Resistant against high temperatures
- 316L FDA-approved material
- TiG welded construction
- Rated at 99.98% (beta ratio 5000) efficiency for stainless steel fibre and sintered powder
- Available with wide variety of end caps
- No extractables

Product / Performance specifications

Filter medium : 316L stainless steel fibre, sintered powder or wire mesh
 Support medium : 316L stainless steel
 Hardware : 316L stainless steel
 Backflush cage : 316L stainless steel
 Construction : TiG welded
 Gaskets / O-rings : silicone, EPDM, Buna-N, Viton[®], PTFE, PTFE encapsulated silicone, PTFE encapsulated Viton[®]

Dimensions

External diameter : 66 mm
 Length : see ordering information
 Filtration area : 0.05 m² / 10" cylindrical cartridge
 0.13 m² / 10" pleated cartridge

Maximum recommended differential pressure

Fibre and mesh : 25 bar for forward flow
 1 bar for reversed flow
 3 bar for reversed flow with back flush cage

Sintered powder : 100 bar for forward flow
 50 bar for reversed flow



Maximum operating temperature
300 °C

Cleaning

The filter cartridges can be cleaned by means of reverse flow, ultrasonic bath, high temperature burnout or chemicals

Micron rating stainless steel fibre	
Liquid 99.98%	Gas 99.98%
3	1
5	1.3
10	2.5
15	4
20	5
30	8
40	10
60	15

Micron rating sintered powder	
Liquid 99.98%	Gas 99.98%
6	0.4
10	0.7
15	1.2
25	3.1
30	4.5
40	6
60	10

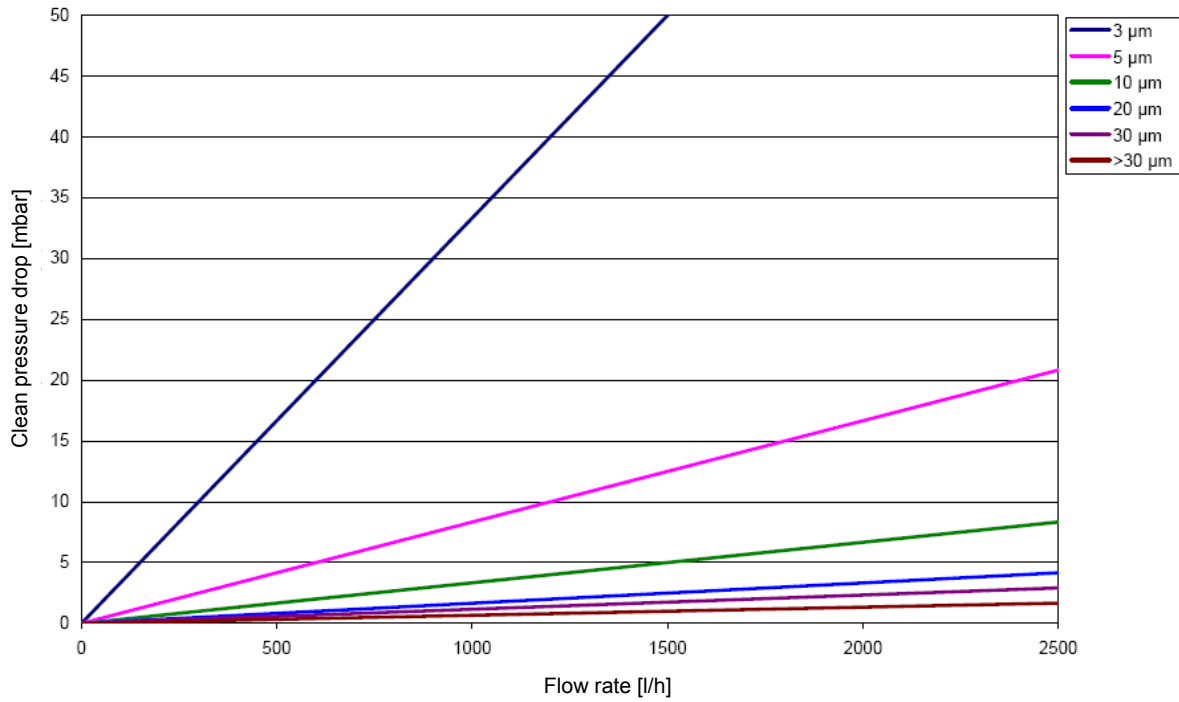
amafiltergroup and CSS approach

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.

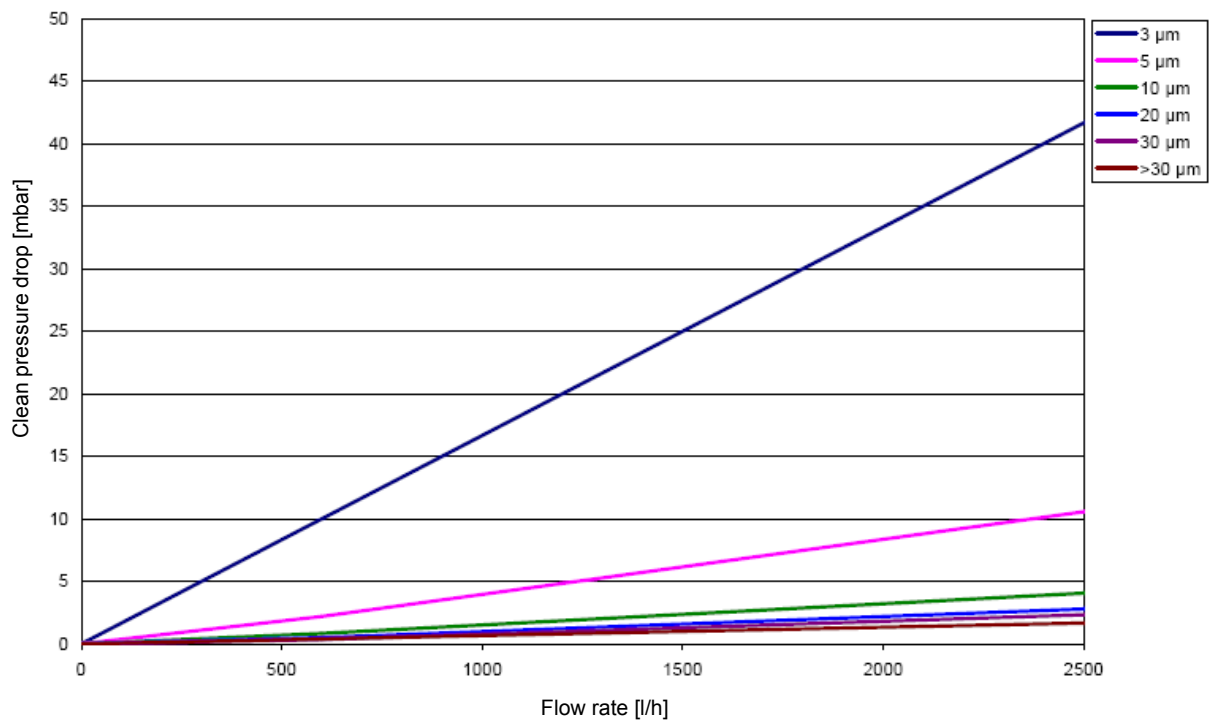


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Water flow rate for
amaLloy CA 10" cartridge

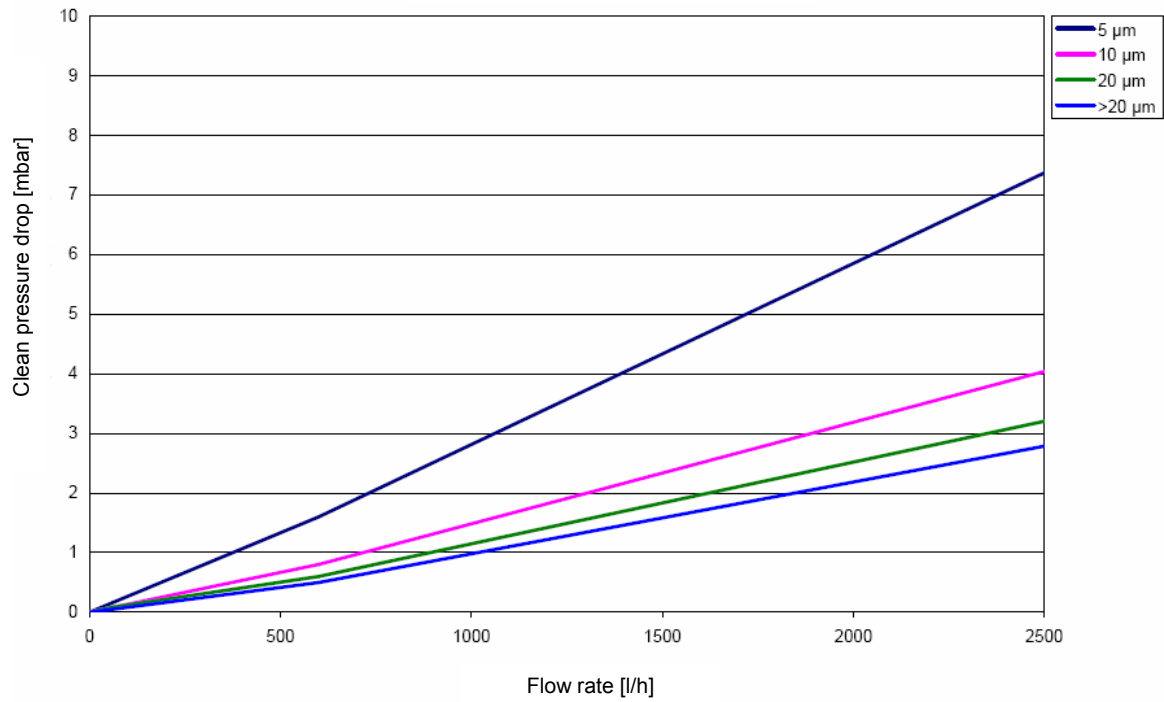


Water flow rate for
amaLloy FA 10" cartridge

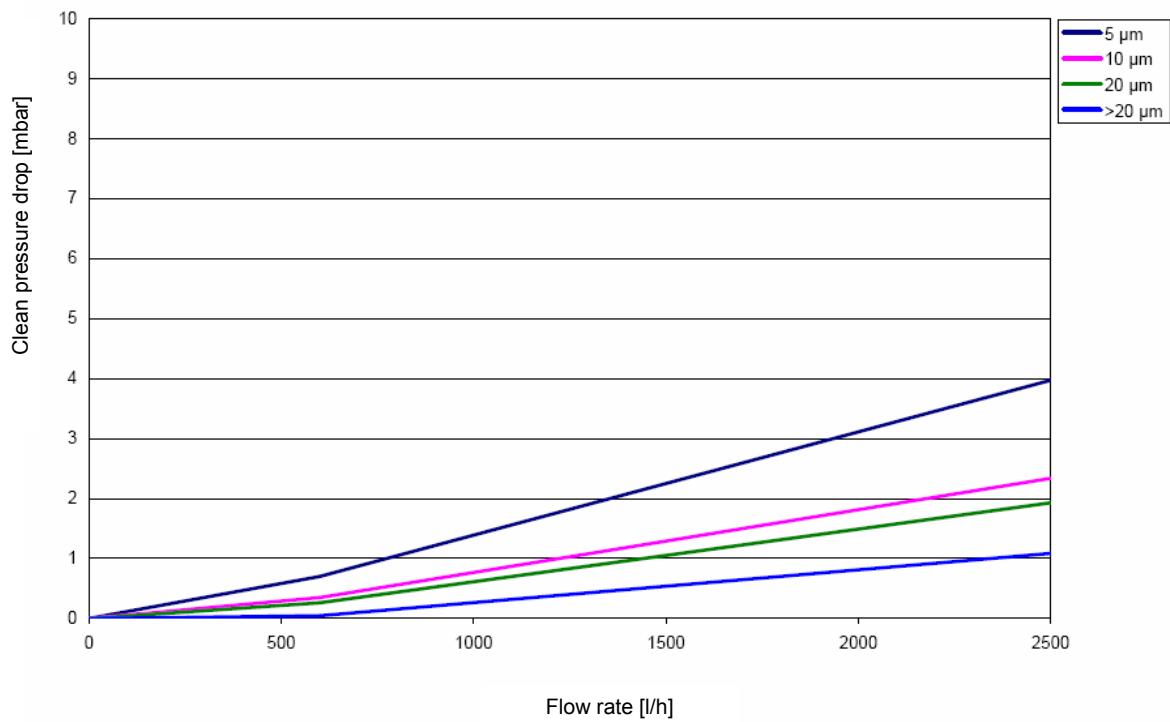


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Water flow rate for
amaLloy LA 10" cartridge

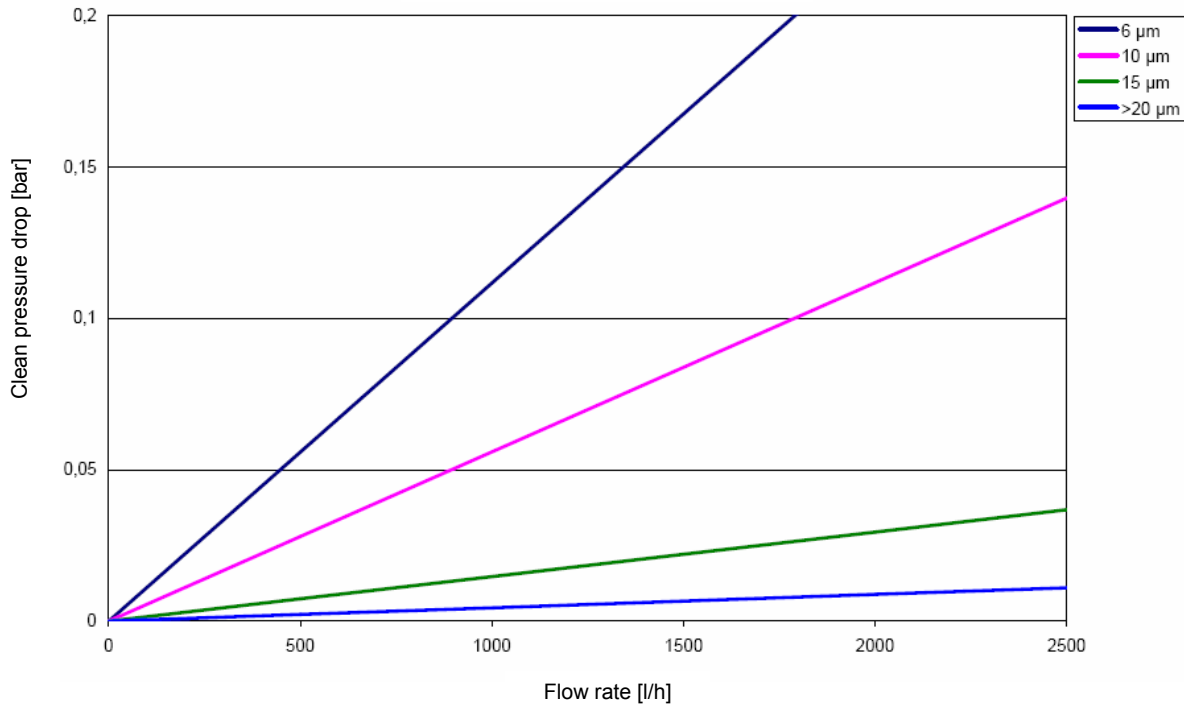


Water flow rate for
amaLloy MA 10" cartridge



amaLloy metal filter cartridges

Water flow rate for
amaLloy PA 10" cartridge



Ordering code

amaLloy FA	3	10	S	X4	E	
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<p>amafiltergroup cartridge type amaLloy CA = cylindrical fibre amaLloy FA = pleated fibre amaLloy LA = cylindrical mesh amaLloy MA = pleated mesh amaLloy PA = cylindrical powder</p>						<p>Options B = backflush cage for amaLloy CA and amaLloy LA</p> <p><i>Back flush cage is standard on pleated cartridges</i></p>
<p>Micron rating [µm] <i>fibre</i> 3, 5, 10, 15, 20, 30, 40, 60 <i>mesh</i> 2, 3, 4, 5, 10, 15, 20, 40, 70, 100, 250, 450, 850 <i>powder</i> 6, 10, 15, 25, 30, 40, 60</p>						<p>Gasket / O-ring material S = silicone N = Buna N E = EPDM V = Viton® T = PTFE encapsulated silicone F = PTFE encapsulated Viton®</p>
<p>Nominal length [inch] 10 (250 mm) 20 (498 mm) 30 (745 mm) 40 (1012 mm)</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 X12 = SOE with 1" NPT thread</p>
<p>Hardware S = 316L stainless steel</p>						