



Filter cartridge

amaPure FS

1. Introduction

The amaPure FS is manufactured using stringent standards creating a high quality melt blown filter cartridge.

The combination of very fine fibres for selectivity and coarser fibres for extra stability creates an extra special depth filter medium with true pore gradient structure.

The amaPure FS is suitable for use in food and beverage applications and many others.



2. Features

- Gradient pore structure
- All polypropylene material
- Rated at 90% efficiency
- Excellent chemical compatibility
- Low pressure drop
- High dirt holding capacity
- FDA listed materials
- Rigid structure
- Proprietary centre core for greater strength
- No surfactants, binders or adhesives

4. Product/Performance specifications

Filter medium: polypropylene
Support medium: polypropylene
Hardware: polypropylene
End cap seal: thermally bonded
Gaskets/O-rings: silicone, EPDM, Viton®
polyethylene (for X9)

Dimensions

External diameter: 63 mm
Length: see ordering information
Filtration area: 0.05 m²/10" cartridge

Maximum recommended differential pressure: 2.4 bar

Maximum operating temperature: 80 °C for continuous operation

3. Sanitation and Food safety

Sanitisation

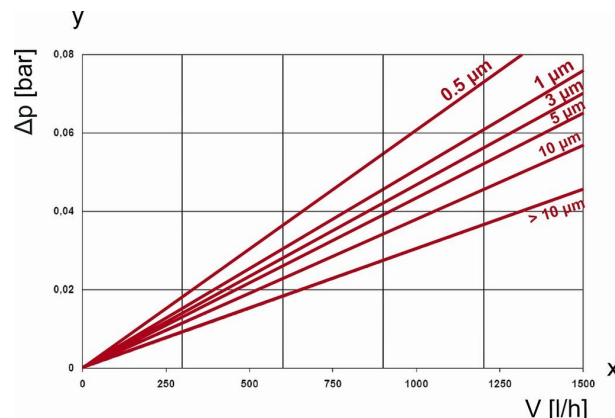
The cartridges can be sanitised with hot water at max. 82 °C. Before use the cartridges must be cooled down to the normal operating temperatures. The cartridges can be sanitised with the standard chemical agents.

Food safety

The filter cartridges comply with the requirements of the 'Food and Drug Administration (FDA)' title 21 of the "Code of Federal Regulations" 177.1520.

Bio safety

The components of the filter cartridges (excl. O-rings and gaskets) pass the USP Biological Reactivity and Chemical-Physical tests for CLASS VI plastics.



x=Flow rate

y=Clean pressure drop



5. Ordering code

Example

amaPure FS	5	10	U	X3	S
Cartridge type	Micron rating [μm]	Nominal length [inch]	Hardware material	Cartridge style	O-Ring material
	0.5	4 (102 mm)	U=polypropylene	X0	S=Silicone
	1	10 (254 mm)		X3	V=Viton [®]
	3	20 (508 mm)		X7	E=EPDM
	5	30 (762 mm)		X8	
	10	40 (1016 mm)		X9	
	20				
	30				
	50				
	75				

X0=DOE, no gaskets,

X3=SOE with external 222 O-rings,

X7=SOE with fin end, bayonet and external 226 O-rings,

X8=SOE with fin end and external 222 O-rings,

X9=DOE with polyethylene soft gaskets