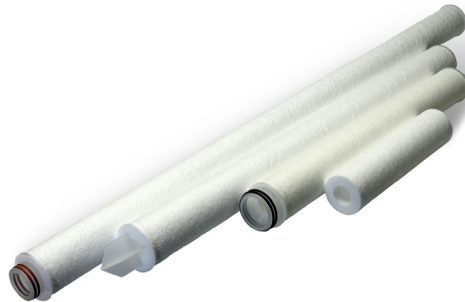


## Filter cartridge amaPure HS

### 1. Introduction

The amaPure HS cartridge is an all polypropylene depth cartridge. The unique, one-step melt blown process is used to create a graded density which improves flow characteristics and increases dirt holding capacity when compared to other polypropylene cartridges. The process thermally bonds the fibres together virtually eliminating media migration. Thermal bonding also eliminates the need for a separate centre core, providing both high collapse strength and enabling easy disposal through incineration.



## 2. Features

- Gradient pore structure
- All polypropylene material
- Excellent chemical compatibility
- Nominal rated from 1 to 100 micron
- Low pressure drops
- No fibre migration
- High solid loading capability
- FDA listed material
- Rigid structure

## 4. Product/Performance specifications

Filter medium : polypropylene  
 Hardware : polypropylene  
 Centre core : internally extruded centre core  
 End cap seal : thermally bonded  
 Gaskets/O-rings : silicone, EPDM, Buna-N, Viton®, polyethylene (for X9)

### Dimensions

External diameter : 63 mm  
 Length : see ordering information  
 Filtration area : 0.05 m<sup>2</sup>/10" cartridge

### Maximum recommended differential pressure

2.4 bar

### Maximum operating temperature

80 °C

## 6. Ordering code

### Example

| amaPure HS            | 1                         | 30                           | X7                     | S                      |
|-----------------------|---------------------------|------------------------------|------------------------|------------------------|
| <b>Cartridge type</b> | <b>Micron rating [µm]</b> | <b>Nominal length [inch]</b> | <b>Cartridge style</b> | <b>O-Ring material</b> |
|                       | 1                         | 9.75 (248 mm)                | X0                     | S=Silicone             |
|                       | 3                         | 10 (254 mm)                  | X3                     | E=EPDM                 |
|                       | 5                         | 19.5 (495 mm)                | X4                     | V=Viton®               |
|                       | 10                        | 20 (508 mm)                  | X7                     | N=Buna-N               |
|                       | 20                        | 29.25 (743 mm)               | X8                     |                        |
|                       | 30                        | 30 (762 mm)                  | X9                     |                        |
|                       | 50                        | 39 (991 mm)                  |                        |                        |
|                       | 75                        | 40 (1016 mm)                 |                        |                        |
|                       | 100                       | Other lengths on request     |                        |                        |

X0=DOE, no gaskets, 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, X9=DOE with polyethylene soft gaskets

## 3. Food safety

### 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.

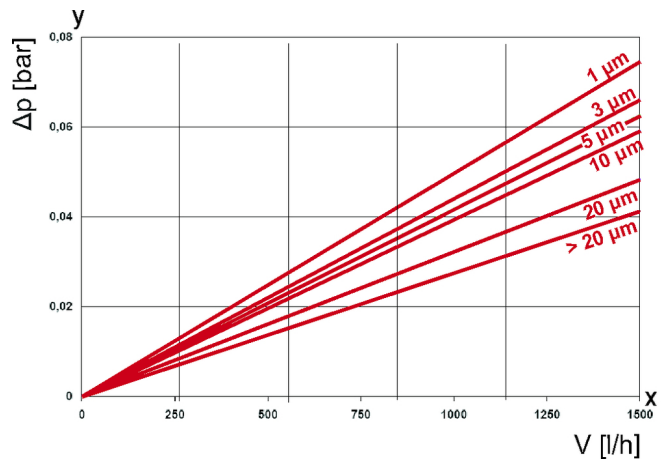
### Bio safety

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

### Extractable substances

The cartridges are free of surfactants, lubricants, anti static agents, binders and adhesives.

## 5. Water flow rate for 10" cartridge



x: Flow rate

y: Clean pressure drop