



# Sartopure® GA

## Superior Venting Filter Cartridges



### Specifications

#### Materials

Filter Material:	Hydrophobic Glass Fiber
Support Fleece:	Polypropylene
Core:	Polypropylene
End Caps:	Polypropylene
O-Rings:	Silicone (EPDM or Fluoroelastomer optional)

#### Pore Size

0.2 µm (nominal in Gases)

#### Available Sizes | Filtration Area

Size 1	10"	0.7 m <sup>2</sup>   7.5 ft <sup>2</sup>
Size 2	20"	1.4 m <sup>2</sup>   15.1 ft <sup>2</sup>
Size 3	30"	2.1 m <sup>2</sup>   22.6 ft <sup>2</sup>

#### Available Adapters Cartridges

25, 28

#### Operating Parameters

Max. Allowable Differential Pressure:	5 bar   72.5 psi at 20°C
	2 bar   29 psi at 80°C
Max. Allowable Back Pressure:	2 bar   29 psi at 20°C

### Description

Sartopure® GA and Sartofluor® GA are the ideal choice for air filtration in the biopharmaceutical industry. Sartopure® GA filters expand the service life time of sterilizing grade air filter systems by removal of particles from the air stream. In addition they can be used for all venting purposes that do not necessarily require an integrity testable membrane filter. Sartopure® GA offers an outstanding flow rate at low differential pressure.

### Applications

Typically applications for Sartopure® GA air filters are:

- Prefiltration in front of Sartofluor® GA membrane filters or any other membrane air filter
- Venting of non pressure resistant vessels
- Particle removal from air streams, e.g. pressure supplies

### Retention Efficiency

The excellent retention and therefore superior protection for stored products has been proven by particle retention filtration and bacteria challenge tests performed under worst case conditions. Sartopure® GA retained 10 million *Bacillus subtilis* var niger spores per cm<sup>2</sup> filtration area. Featuring a retention of 0.2 µm for gas, Sartopure® GA efficiently protects stored products, e.g. water, liquid sugar, oral solutions etc., in the pharmaceutical industry as well as the food and beverage industry.

### Flow Rate

Due to the larger filter area of 0.7 m<sup>2</sup> | 10", Sartopure® GA delivers a flow rate of nearly 40 m<sup>3</sup>/h at a differential pressure of 10 mbar. This means Sartopure® GA is the preferred product for high performance filling or draining of tanks | vessels.

### Optimized Filter Material

Sartopure® GA's hydrophobic material guarantees an air flow recovery of 60-80% within 30 seconds after the filter has been wetted with water. The water prevents high differential pressures, ensuring fast recovery of air flow rate e. g. after cleaning the tank with hot water | agents.

### Documentation

Sartopure® GA cartridges are designed, developed and manufactured in accordance with a ISO 9001 certified Quality Management System.

## Specifications

### Regulatory Compliance

Filter material bacteria challenge tested with *Bacillus subtilis* var niger spores

Non pyrogenic according to USP Bacterial Endotoxins

Pass USP Plastic Class VI Test

Non fiber releasing according to 21 CFR

### Sterilization

#### In-Line Steam Sterilization

134 °C, 20 min. at max differential pressure of 0.5 bar | 7 psi

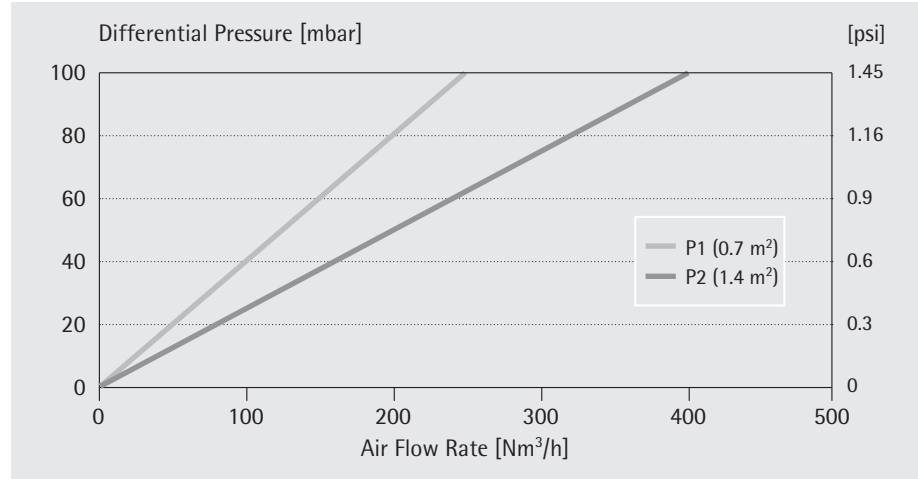
#### Autoclaving

134 °C, 2 bar | 29 psi, 30 min

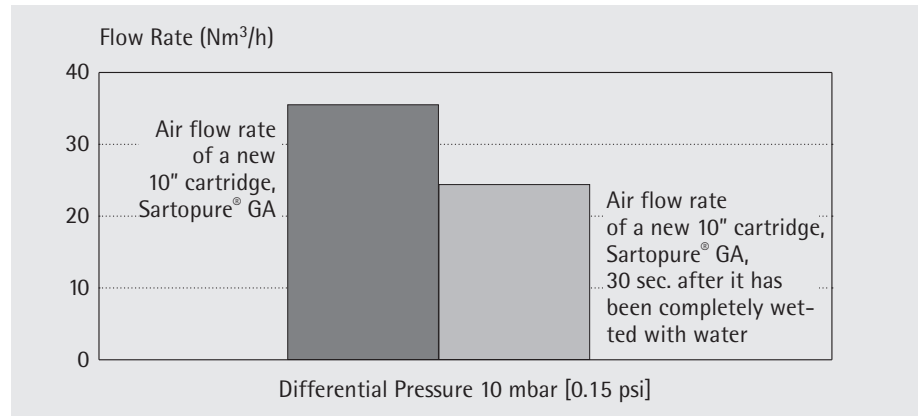
#### Sterilization Cycles

In-Line Sterilization: Min. 50

Air Flow Rates for 10" and 20" Cartridges



Air Flow Recovery



## Ordering Information

Order Code	Size	Pore Size [µm]	Pack Size [Pieces]
559**07P1----GA	1	0.2	1
559**07P2----GA	2	0.2	1
559**07P3----GA	3	0.2	1

\*\* : Adapter Type

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