



# Sartopure® GF Plus

Adsorptive High Capacity Filter Cartridges (Food & Beverage)



## Specifications

### Materials

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

### Retention Rates

0.65 µm, 1.2 µm

### Available Sizes | Filtration Area

#### Cartridges

Size 1	10"	0.4 m <sup>2</sup>   4.3 ft <sup>2</sup>
Size 2	20"	0.8 m <sup>2</sup>   8.6 ft <sup>2</sup>
Size 3	30"	1.2 m <sup>2</sup>   12.9 ft <sup>2</sup>
Size 4	40"	1.6 m <sup>2</sup>   17.2 ft <sup>2</sup>

### Available Adapters Cartridges

21, 25, 27, 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® GF Plus cartridges are optimized for the protection of downstream membrane filter systems and clarification in food and beverage applications. Due to their high adsorptive power by glass fiber fleeces, they are the ideal solution for removal of colloids from beverages.

### Applications

Sartopure® GF Plus are ideal for the prefiltration of:

- Water
- Wine
- other beverages

### High Adsorption

Based on electrostatic forces of attraction, the negatively charged glass fiber material retains positively charged, small particles that would otherwise pass through the filter. These particles can even be smaller than the nominal filter retention rate.

### Defined Retention Rates

The key feature of Sartopure® GF Plus cartridges is their defined and accurate retention rating >99.9%!

### High Profitability

The cartridges' high flow rates at a low differential pressure reduce overall costs as less energy is used. Moreover, a high total throughput guarantees the maximum in process profitability.

### Flexibility

Sartopure® GF Plus filters are available as standard filter cartridges.

### Documentation

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

## Sterilization

### In-Line Steam Sterilization

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

### Sterilization Cycles

In-Line Sterilization: Min. 25

### Technical References

Validation Guide SPK5762-e

### Order Information

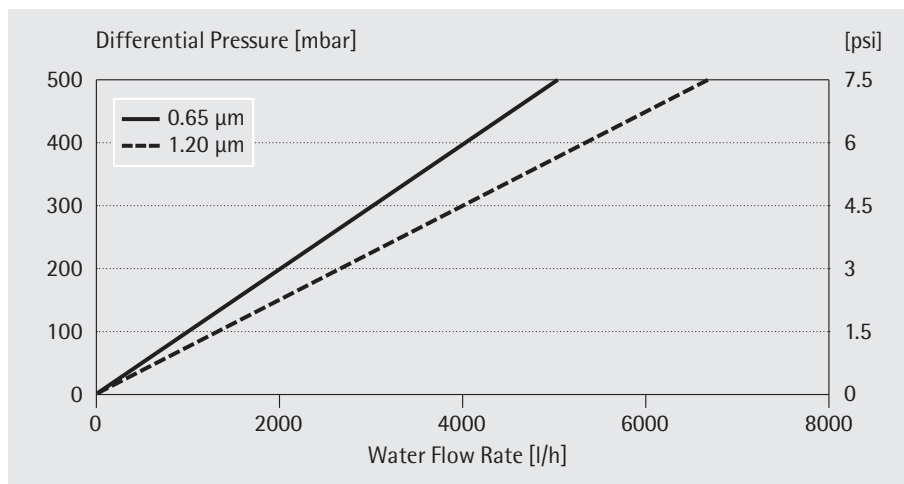
Order Code	Retentation Rate [µm]	Pack Size [pieces]
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#### Cartridgegs

555**05P1	0.65	1
555**05P2	0.65	1
555**05P3	0.65	1
555**05P4	0.65	1
555**03P1	1.2	1
555**03P2	1.2	1
555**03P3	1.2	1
555**03P4	1.2	1

\*\* : Adapter Style

Water Flow Rates for Sartopure® GF Plus 10" Standard Cartridges 0.65 µm, 1.2 µm



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