

SUPAPORE FP H0P

Hydrophobic Air and Gas Filter



SupaPore FP H0P hydrophobic filters are specifically designed for venting applications on tanks and vessels and for the filtration of compressed air and gases. These cartridges contain a very fine rated borosilicate glass fibre media surface modified with fluoropolymer to provide excellent hydrophobic properties. This ensures high flow rates and low pressure drops are achieved under a wide range of conditions.

All cartridges are thermally bonded and adhesive free to provide a robust filter.



Product Features

- Double layer hydrophobic media rated at 0.02µm in air and gas
- Performance validated by bacterial aerosol challenge by an independent laboratory
- Polypropylene support
- Minimal fibre migration
- High flow rates and low pressure drops
- Available with a range of adaptors and in multiple lengths
- Long steam sterilisation life

The use of a hydrophobic media in SupaPore FP H0P cartridges helps prevent the filter from wetting-out during use. This is critical in applications where water vapour is present to ensure that air flow into and out of the equipment is maintained. Typical applications include tanks containing liquids at elevated temperatures, autoclaves where steam may come into contact with the filter and gas and air filtration in fermentation processes. The high flow characteristics of SupaPore FP H0P hydrophobic filters allow the use of smaller filters keeping costs to a minimum.



Amazon Filters manufactures a comprehensive range of housings for SupaPore FP H0P hydrophobic filters including the 50 and 60 Series for general applications and the 70 Series for more hygienic applications.

Features and Benefits

- High flow rates allow the use of smaller filters
- Double layer media for high security
- Validated performance assuring effective removal of bacteria
- Hydrophobic media prevents wetting out of the filter
- Full Product Validation Guide available
- All SupaPore cartridges are manufactured under strict control with batch number identification, giving full traceability on all components
- Compliant with EN ISO13408:2011 and the requirements of EN1822 for H14 class filters

Industries and Applications

- Tank and vessel venting
- Fermentation inlet gas and off-gas filtration
- Filtration of compressed air and gases
- Autoclave vacuum break

SupaPore FP H0P Technical Data

Dimensions

Outside diameter:	Standard 68.5mm	Junior 56mm
Surface area:	0.32m ² (per 10")	0.06m ² (2") 0.12m ² (5")

Sterilisation and Sanitisation*²

Steam or Autoclave: 121°C for 15 minutes (20 cycles)
²Applies to single open end cartridges only. For all steaming and hot water applications, the Glass Filled PP end cap option must be used.

Maximum Operating Conditions

Temperature: 80°C

Recommended Maximum Differential Pressure:

Forward Flow: 4.0 bar @ 20°C

Reverse Flow: 1.5 bar @ 20°C

Recommended change-out differential pressure: 2.5 Bar

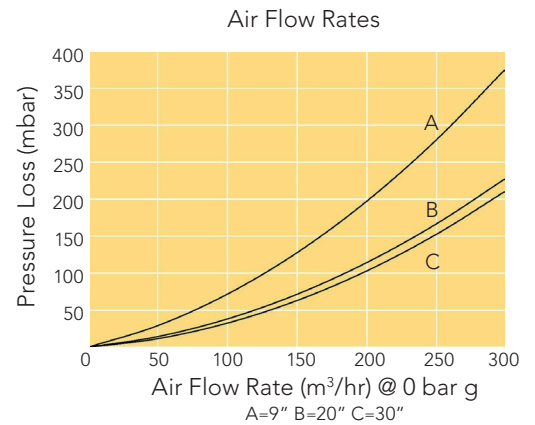
Materials of Construction

Filter Media: Hydrophobic Fluoropolymer coated Borosilicate Glass
Microfibre

Media Support: Polypropylene

Cage, core and end caps: Polypropylene

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