SupaPore H0P

Autoclave and Tank Vent Filter



SupaPore H0P vent filters are specifically designed for venting applications on tanks and vessels and to be used as vacuum break filters for autoclaves. They are manufactured using a hydrophobic media to ensure 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. These filters are fitted with a ½" BSP male connector so can easily be fitted to autoclaves and other process equipment.

Product Features

- Double layer hydrophobic media rated at 0.02µm in air and gas
- Performance validated by bacterial aerosol challenge at an independent laboratory
- Polypropylene support
- Minimal fibre migration



- High flow rates and low pressure drops
- Available as 2" and 5" length cartridges
- ½" BSP male connectors
- Long steam sterilisation life

The use of a hydrophobic media in SupaPore 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 and autoclaves where steam may come into contact with the filter. The high flow characteristics of SupaPore H0P vent filters allow the use of smaller filters keeping costs to a minimum.

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 the requirements of EN1822 for H14 class filter
- All individual packing bags are anti static

Industries and Applications

- Tank and vessel venting
- Autoclave vacuum break

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SupaPore H0P Technical Data

	2″	5″
Dimensions		
Outside diameter:	56mm	56mm
Surface area:	0.06m^2	0.12m^2

Sterilisation and Sanitisation

Steam or Autoclave: 121°C for 15 minutes (20 cycles)

Maximum Operating Conditions

Temperature: 80°C (for intermittent exposure to air)
60°C (for continuous exposure to air)

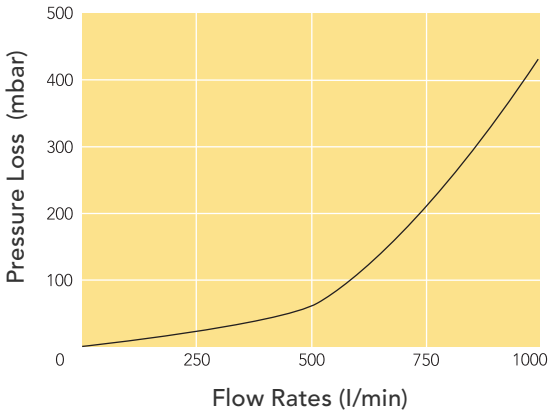
Recommended Maximum Differential Pressure:
Forward Flow: 4.0 bar @ 20°C
Reverse Flow: 1.5 bar @ 20°C

Standard Materials of Construction

Filter Media: Borosilicate Glass Microfibre (Hydrophobic Fluoropolymer coated)
Media support: Polypropylene
End Caps: Polypropylene
Cage/Core: Polypropylene

Product validation guide available on request. All SupaPore cartridges are manufactured under strict control with batch number identification, giving full traceability on all components.

Air Flow Rates (5″ Element)



Ordering Guide

16F	PG	H0P -	02J	S	A	B
Media	Core/Assembly	Micron Rating	Length	Seal	Branding	Options
16F - Fluoropolymer Coated Borosilicate Glass Microfibre	PG - Polypropylene	H0P - 0.02µm	02J - 79mm 05J - 135	S - Silicone	A - Amazon	A - Millidisk Retrofit B - ½″ BSPP Male C - Trueseal Retrofit

Example: 16FPGH0P-02JSAB = Borosilicate Glass microfibre media with Polypropylene core, General Grade, 0.02µm, 2″ length, with Silicone seal and ½″ BSPP male connections.

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