

Hall Pyke



Membrane Filtration

High Flow Teflogas

The SMART choice for filtration

High Flow Teflogas Vent Autoclave Filter Cartridges

Hydrophobic PTFE Membrane · Sterilizing Grade

High Flow Teflogas Vent Autoclave Filter Cartridges designed for critical applications where sterile air is required to break the vacuum formed by steam condensation inside the autoclave chamber. The filter cartridge consists of an inherently hydrophobic PTFE membrane and removing all particles down to 0.01 micron ensuring the removal of microorganisms including bacteria and viruses.

High Flow Teflogas Vent Autoclave Filter Cartridges have been completely validated using the Bacterial Challenge Test and Aerosol Challenge Test respectively. Using *Pseudomonas diminuta*, in the Bacterial Challenge Test, results in total bacterial retention. Using T1 bacteriophage (0.05 micron x 0.1 micron), in the Aerosol Challenge Test, allows removal to a gas micron rating of 0.01 micron. This ensures bacteria and bacteriophage removal especially during the vacuum-break period.

Features and Benefits

- High Flow Rates
- Inherently Hydrophobic
- Exceptional Mechanical Strength
- Steam Sterilized Repeatedly at 140°C in an Autoclave
- 100% Integrity Tested
- Manufactured under a Quality Management System Certified to ISO9001:2000

Specification

Filter Medium

Hydrophobic PTFE

Cage/Core

Polypropylene

Gasket

EPDM/Silicone/Viton

End Caps

1/2" BSPP, Male Thread

Effective Filtration Area

90DHV-GPFL 0.01 1216 cm²

DHV-GPFL 0.01 2831 cm²

Max. Temperature

70°C

Max. Differential Pressure

4,5 bar/ 80°C

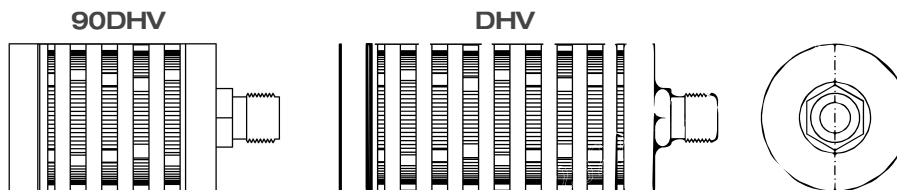
Material Safety

Meet the requirements for food contact in European Regulation (EC) Number 1935/2004

Meet UPS <88> for Class VI-121°C Plastics

Dimensions

Available in 2 sizes to meet different requirements depending on the type of vacuum, autoclave size, maximum vacuum-break time required, or additional restrictions.



90DHV-GPFL-0020-E-P

DHV-GPFL-0020-E-P

	90DHV-GPFL-0020-E-P	DHV-GPFL-0020-E-P
Length	90±1 mm	163±1 mm
Diameter	63±0.5 mm	63±0.5 mm
Surface Area	1216 cm ²	2831 cm ²

Ordering Information

Part No.	Filter Medium	Membrane Rating	Gasket Material
90DHV	PTFE	0.01	Silicone
DHV	Glass microfiber	0.2	EPDM Viton

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