Whatman™ HEPA-VENT Disposable Filter

Instructions for Use

Introduction

Important

Read these instructions carefully before using the products.

Intended use

The products are intended for research use only, and shall not be used in any clinical or *in vitro* procedures for diagnostic purposes.

Background

Description

Whatman™ HEPA-VENT is a disposable, in-line filter that will retain 99.97% of all particles ≥ 0.3 µm. The filter media used in HEPA-VENT is used throughout scientific, research, and industrial environments to provide clean, particulate-free air and gasses.

Multiple reuse is the responsibility of the operator who should protect the filter from cross contamination and detect loss of integrity by appropriate testing.

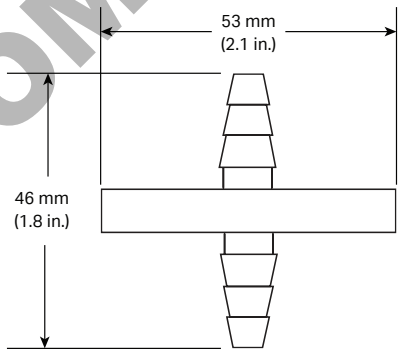
Typical applications

HEPA-VENT with high flow rate glass microfiber (GMF) is treated to provide mild hydrophobicity and is suitable for:

- Venting vessels used for mixing, filling, fermenting, storage, or transport by allowing particulate free air to move freely in a bidirectional manner.
- In-line filtration of a gas or air stream such as found on instruments, incubators, and culture vessels.

Technical information

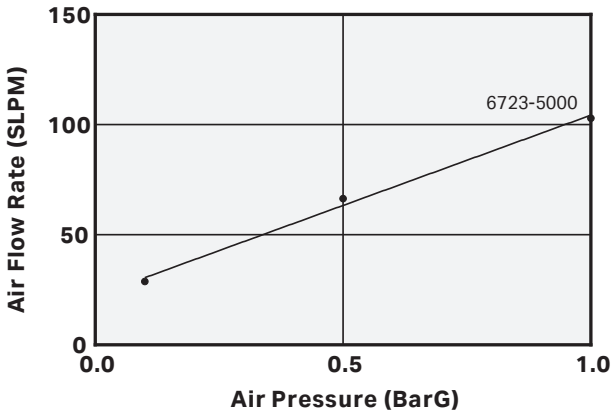
Illustration of HEPA-VENT



Technical data

Housing and support:	Polypropylene
Filter media:	GMF
Particle retention:	99.97% retention of all particles ≥ 0.3 µm
Effective filtration area:	16 cm^2
Inlet/outlet connections:	6 to 10 mm (¼ to ⅜ in.) stepped barb
Dimensions (W×L):	53 × 46 mm (2.1 × 1.8 in.)
Sealing method:	Heat-fused
Autoclavable:	121°C (250°F) for 20 minutes at 0.1 MPa (1.0 bar, 15 psi)
Maximum operating pressure:	0.41 MPa (4.1 bar, 60 psi)
Operating temperature:	Ambient
Flow direction:	Bidirectional
Biosafety:	Materials pass USP Class VI

Typical air flow rate



Operating Instructions

Safety

When considering the specific factors of your application, refer to Technical data for correct use. Make sure not to exceed the Maximum operating pressure and follow temperature or chemical compatibility recommendations.

CAUTION
If the Maximum operating pressure is exceeded, bursting of the device can occur resulting in loss of sample or personal injury.

Venting

For venting applications, connect the inlet port of the HEPA-VENT to the vessel, leaving the outlet open to the atmosphere. The connection is made by securing the tubing to the filter ports using band clamps.

Note: *Change filter if there is condensation or contact with fluid preventing sufficient air flow.*

In-line

To use the HEPA-VENT for in-line application, securely connect both ports of the filter into the flow stream such that the orientation flows from inlet to outlet. The connections are made by securing the tubing to the filter ports using band clamps.

Note: *Change filter if there is condensation or contact with fluid preventing sufficient air flow.*

Ordering information

Product Code	Product Name	Qty./Pk.
6723-5000	HEPA-VENT	10
2216	HEPA-VENT	50

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