



## nano F<sup>1</sup>: Compressed Air & Gas Filtration

# GMV 0450

## 38.8 scfm Medical Vacuum Filter

nano GMV medical vacuum filters are essential to avoiding damage to vacuum pumps and preventing potentially hazardous biological contagions from being exhausted into the surrounding environment. Designed for use in critical medical applications to remove solid, liquid, and bacterial contamination in vacuum systems, the nano GMV filters provide a safe and reliable product that is used in hospitals, operating rooms, intensive care units, laboratories, veterinary hospitals, dental offices, and medical vacuum plant installations worldwide.

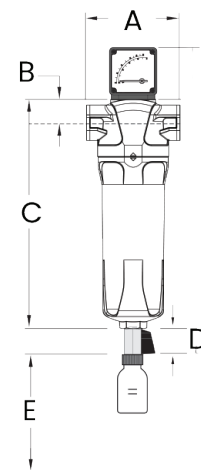
GENERAL CHARACTERISTICS	
Free air aspirated (scfm) <sup>(1)</sup>	38.8
Rarified air flow (scfm) <sup>(1)</sup>	102.7
OPERATING LIMITS	
Design operating pressure range (psig)	FV to 7
Design operating temperature range (°F)	35 to 140
HOUSING CONSTRUCTION	
Materials	pressure die cast aluminum
Finish	E-Coat™ surface treatment (internal & external) powder paint (external)
ELEMENT CONSTRUCTION	
Media	borosilicate glass microfiber
Replacement element (part no.)	GE 0450 MV
COMPONENTS	
Manual drain (part no.)	GFMDK 1500
Sterilizable glass drain flask (part no.)	MLF 250
Differential pressure indicator / gauge	gauge
DP (part no.)	GVDP 1500
AIR CIRCUIT	
Air circuit connections (NPT)	2"

(1) Flows at an operating vacuum (suction) of 475 mmHg (9.2 psia). Rated flows are stated at HTM 02-01 conditions. Operating vacuum (suction) pressure is stated at the filter outlet.



## Dimensions & Weight

DIMENSIONS AND WEIGHT	
A (ins)	6.69
B (ins)	2.09
C (ins) *	20
D (ins)	1.18
E (ins)	24.4
Weight (lbs)	10.8



\*DP gauge adds 2.8" to height

## Features

### HOUSING FEATURES

- Designed in accordance with ASME pressure vessel standards.
- Carries CRN (Canadian Registration Numbers) for approved use in every province of Canada.
- "Dead Stop" bowl feature provides full closure without over tightening.
- 10 year housing warranty
- Easily removable sterilizable drain flask and differential pressure monitor supplied as standard.
- Unique design provides maximum filtration performance while minimizing pressure losses for optimum energy efficiency.

### ELEMENT FEATURES

- Meets ISO 7396-1, HTM 02-01 and 2018 revision of NFPA 99 (5.1.3.7.4).
- Designed to eliminate solid, liquid and bacterial contamination from medical vacuum systems.

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ELEMENT GRADES	MV
Particle removal (microns)	> 99.9999% (HTM 02-01 specifies > 99.995%)
Design operating temperature range (°F)	35 to 140
Pressure drop - clean (psid)	≤ 0.44
Maximum element life	6 months or 1000 hours

(i) Accordance with BS 3928:1969. Fully validated to ISO 7396-1, AS 2896 and NFPA 99.

## Accessories

WALL MOUNTING KITS	FITS	PART NUMBER
Wall mounting kit	GMV 0450	GFMK 0700



Technical specifications subject to change without notice.  
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