

### GMVB 0050

#### 6.3 Nm<sup>3</sup>/h Medical Vacuum Filter

nano GMVB 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 GMVB 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 (Nm <sup>3</sup> /h)   | 6.3  |
| Rarified air flow (Nm <sup>3</sup> /h)    | 16.7   |
| OPERATING LIMITS                          |  |
| Design operating pressure range (barg)    | FV to 0.5  |
| Design operating temperature range (°C)   | 1.7 to 60  |
| HOUSING CONSTRUCTION                      |  |
| Materials                                 | pressure die cast aluminium  |
| Finish                                    | E-Coat™ surface treatment (internal & external)<br>powder paint (external) |
| ELEMENT CONSTRUCTION                      |  |
| Media                                     | borosilicate glass microfiber  |
| Replacement element (part no.)            | GE 0050 MV   |
| COMPONENTS                                |  |
| Manual drain (part no.)                   | GFMDKB 0050  |
| Sterilisable glass drain flask (part no.) | MLF 100  |
| Differential pressure indicator / gauge   | indicator  |
| DP (part no.)                             | GVDP 0050  |
| AIR CIRCUIT                               |  |
| Air circuit connections (BSPP)            | ½"   |

(1) Flows at an operating vacuum (suction) of 475 mmHg (0.63 bara). Rated flows are stated at HTM 02-01 conditions. Operating vacuum (suction) pressure is stated at the filter outlet.

### Features

#### HOUSING FEATURES

- Designed in accordance with CE PED pressure vessel standards.
- “Dead Stop” bowl feature provides full closure without over tightening.
- 10 year housing warranty
- Easily removable sterilisable drain flask and differential pressure monitor supplied as standard.
- Unique design provides maximum filtration performance while minimising pressure losses for optimum energy efficiency.

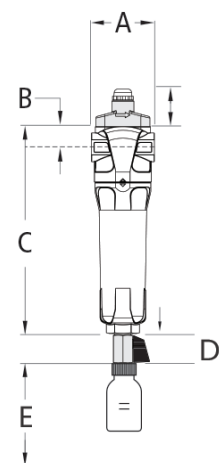
#### ELEMENT FEATURES

- 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.



### Dimensions & Weight

| DIMENSIONS AND WEIGHT |      |
|-----------------------|------|
| A (mm)                | 70   |
| B (mm)                | 24   |
| C (mm) *              | 231  |
| D (mm)                | 28   |
| E (mm)                | 340  |
| Weight (kg)           | 0.59 |



\*DP indicator adds 41mm to height

# nano F<sup>1.1</sup>: Medical Vacuum Filters

| ELEMENT GRADES                            | MV   |
|---|--|
| Particle removal (microns) <sup>(1)</sup> | > 99.9999% (HTM 02-01 specifies > 99.995%) |
| Design operating temperature range (°C)   | 1.7 to 60                                  |
| Pressure drop - clean (mbar)              | 39   |
| Maximum element life                      | 6 months or 1000 hours                     |

(1) 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  | GMVB 0025 | GFMK 0050   |



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