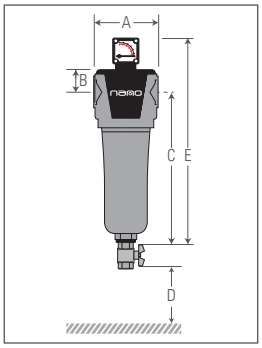
# NMV 0400

## 55.9 scfm exhaust flow rate medical vacuum filter

nano F[1] medical vacuum filters are specifically designed and manufactured to eliminate solid, liquid and bacterial contamination from medical vacuum systems. Applications include: dental, medical and veterinary.

| general characteristics | |
|---|---|
| exhaust flow rate (scfm) (1) | 55.9 |
| **operating limits** | |
| design operating pressure range (psig) | full vacuum to 7 psig |
| design operating temperature range (°F) | 35 to 176 |
| **housing construction** | |
| materials | pressure die cast aluminum |
| finish | E-Coat™ surface treatment (internal & external)<br>powder paint (external) |
| **element construction** | |
| media | pleated polypropylene gauze and microfiber with a reticulated foam sleeve |
| replacement element (part no) | E 0450 MV |
| **components** | |
| condensate drain (2) | MLF 250 as standard |
| vacuum indicator / gauge | NDV 1500 as standard |
| **air circuit** | |
| inlet & outlet connections (NPT) (3) | 1 ½" |

| dimensions and weights | |
|---|---|
| A (ins) | 5.75 |
| B (ins) | 2.05 |
| C (ins) | 17.01 |
| D (ins) | 3.00 |
| E (ins) | 21.85 |
| weight (lbs) | 9.2 |




| element performance | |
|---|---|
| DOP particle removal efficiency (4) | > 99.995% |
| pressure drop - clean | 0.44 psid |
| pressure drop - recommended replacement | 1.5 psid |
| design operating temperature range | 35 to 140°F |
| flow direction through element | outside to inside |
| maximum element life | 6 months or 1000 hours |

(1) free air conditions when operating at atmospheric pressure. For vacuums, contact support@n-psi.com
(2) includes manual valve and sterilizable glass drain flask
(3) inlet and outlet connections are NPT threaded to ANSI B2.1
(4) as specified in HTM 02-01 medical gas pipeline systems
(5) technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182

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experience

# 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 overtightening
- optimized piston seal ensures zero leakage and ease of bowl removal during element replacement
- no tie rod simplifies element change out and reduces access requirements for bowl removal
- comprehensive range of filter mounting accessories
- 10 year housing warranty

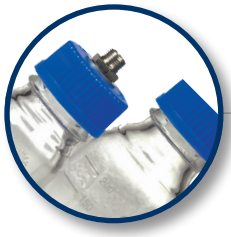
# accessories

## connecting kits

| description | fits | part number |
|---|---|---|
| NMV connecting kit | NMV 0400 | NCK 0700 |

## wall mounting kits

| description | fits | part number |
|---|---|---|
| NMV wall mounting kit | NMV 0400 | NMK 0700 |



## sterilizable glass drain flask with polymer coating

| description | fits | part number |
|---|---|---|
| NMV 250 mL flask with polymer coating | NMV 0400 | MLA 250 |

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