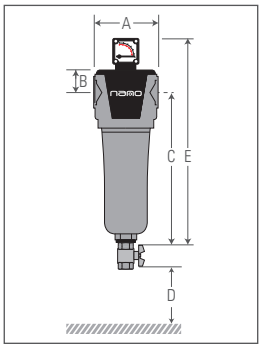
NMV 0050

4.1 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)	4.1
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) powder paint (external)
element construction	
media	pleated polypropylene gauze and microfiber with a reticulated foam sleeve
replacement element (part no)	E 0050 MV
components	
condensate drain (2)	MLF 100 as standard
vacuum indicator / gauge	NDV 50 as standard
air circuit	
inlet & outlet connections (NPT) (3)	½"

dimensions and weights	
A (ins)	2.76
B (ins)	0.98
C (ins)	8.31
D (ins)	3.00
E (ins)	10.93
weight (lbs)	1.5



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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nano

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

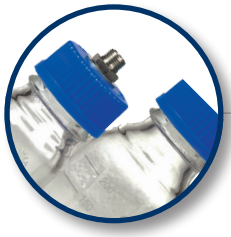
accessories

connecting kits

description	fits	part number
NMV connecting kit	NMV 0050	NCK 0050

wall mounting kits

description	fits	part number
NMV wall mounting kit	NMV 0050	NMK 0050



sterilizable glass drain flask with polymer coating

description	fits	part number
NMV 100 mL flask with polymer coating	NMV 0050	MLA 100

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