nano F¹: compressed air & gas filtration

NPP 0450 67.5 scfm exhaust flow rate vacuum pump protection filter

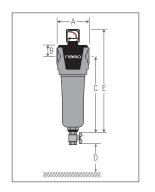
nano F^1 vacuum pump protection filters are specifically designed and manufactured to protect vacuum pumps from both solid and liquid contamination.



| general characteristics | |
|---|--|
| exhaust flow rate (scfm) ⁽¹⁾ | 67.5 |
| operating limits | |
| design operating pressure range (psig) | full vacuum to 232 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 | borosilicate glass microfiber |
| replacement element (part no) | E 0450 (grade) |
| components | |
| condensate drain (2) | manual valve |
| vacuum indicator / gauge | NDV 1500 as standard |
| air circuit | |
| inlot & outlot connections (NPT) (3) | יי |

inlet & outlet connections (NPT) (3)

| 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 | PP5 | PP1 |
|---|---------------------|---------------------|
| particle removal | 5 micron | 1 micron |
| maximum oil carryover at 68°F (ppm or mg/m ³) | 1 mg/m ³ | 1 mg/m ³ |
| pressure drop - clean | 0.3 psid | 0.6 psid |
| pressure drop - recommended replacement | 1.5 psid | 1.5 psid |
| recommended operating temperature range | 35 to | 212°F |
| design operating temperature range | 35 to | 248°F |
| flow direction through element | outside | to inside |
| maximum element life | 12 months o | or 8000 hours |

(1) free air conditions when operating at atmospheric pressure. For vacuums, contact support@n-psi.com

(2) can be adapted to use ¼" drains with a reducer. Drain flasks are available for liquid collection for vacuum (or atmospheric pressure) applications only

(3) inlet and outlet connections are NPT threaded to ANSI B2.1

(4) technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182

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Daeo

F¹: compressed air & gas filtration

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 |
|--------------------|----------|-------------|
| NPP connecting kit | NPP 0450 | NCK 0700 |

wall mounting kits

| description | fits | part number |
|-----------------------|----------|-------------|
| NPP wall mounting kit | NPP 0450 | NMK 0700 |

sterilizable glass drain flask

| description | fits | part number |
|---------------------------------------|----------|-------------|
| NPP 100 mL flask | NPP 0450 | MLF 250 |
| NPP 100 mL flask with polymer coating | NPP 0450 | MLA 250 |

adapters

| description | fits | part number |
|--------------------------------|----------|-------------|
| ¼" NPT drain adapter (plastic) | NPP 0450 | NAK 1P |
| ¼" NPT drain adapter (brass) | NPP 0450 | NAK 1 |



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