

NPP 0700

106 scfm exhaust flow rate

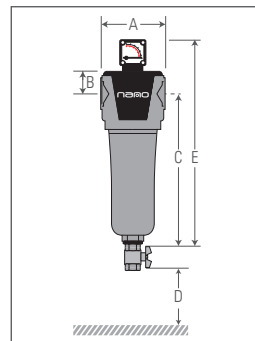
vacuum pump protection filter

nano F¹ 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⁾ | 106 |
| 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 0700 (grade) |
| components | |
| condensate drain ⁽²⁾ | manual valve |
| vacuum indicator / gauge | NDV 1500 as standard |
| air circuit | |
| inlet & outlet connections (NPT) ⁽³⁾ | 2" |

| dimensions and weights | |
|------------------------|-------|
| A (ins) | 5.75 |
| B (ins) | 2.05 |
| C (ins) | 29.06 |
| D (ins) | 3.00 |
| E (ins) | 33.91 |
| weight (lbs) | 13.9 |



| 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 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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features

housing features

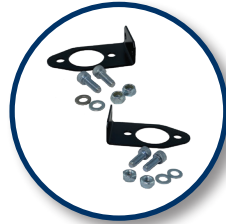
- designed in accordance with ASME pressure vessel standards
- carries CRN (Canadian Registration Numbers) for approved use in every province of Canada
- “dead stop” bowl feature provides full closure without overtightening
- optimized piston seal ensures zero leakage and ease of bowl removal during 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



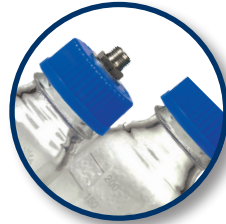
connecting kits

| description | fits | part number |
|--------------------|----------|-------------|
| NPP connecting kit | NPP 0700 | NCK 0700 |



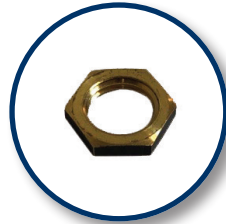
wall mounting kits

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



sterilizable glass drain flask

| description | fits | part number |
|---------------------------------------|----------|-------------|
| NPP 100 mL flask | NPP 0700 | MLF 250 |
| NPP 100 mL flask with polymer coating | NPP 0700 | MLA 250 |



adapters

| description | fits | part number |
|--------------------------------|----------|-------------|
| ¼" NPT drain adapter (plastic) | NPP 0700 | NAK 1P |
| ¼" NPT drain adapter (brass) | NPP 0700 | NAK 1 |