

# NPP 0325

50 scfm exhaust flow rate

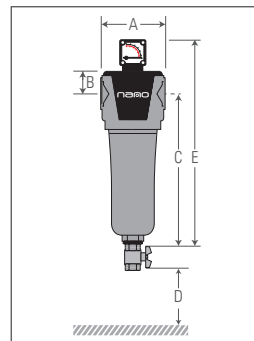
vacuum pump protection filter

nano F<sup>1</sup> 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) <sup>(1)</sup>	50
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 0325 (grade)
components	
condensate drain <sup>(2)</sup>	manual valve
vacuum indicator / gauge	NDV 1500 as standard
air circuit	
inlet & outlet connections (NPT) <sup>(3)</sup>	1 1/2"

dimensions and weights	
A (ins)	4.80
B (ins)	1.65
C (ins)	16.50
D (ins)	3.00
E (ins)	20.97
weight (lbs)	6.2



element performance	PP5	PP1
particle removal	5 micron	1 micron
maximum oil carryover at 68°F (ppm or mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>
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 1/4" 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

nano-purification solutions  
charlotte, north carolina  
united states

nano-purification solutions  
new bethlehem, pennsylvania  
united states

nano-purification solutions  
st. catharines, ontario  
canada

nano-purification solutions  
gateshead, tyne and wear  
united kingdom

nano-purification solutions  
krefeld, germany

tel: 704.897.2182  
fax: 704.897.2183  
email: support@n-psi.com  
web: www.n-psi.com

## features

### housing features

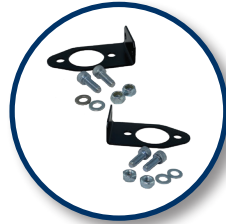
- designed in accordance with ASME pressure vessel standards
- carries CRN (Canadian Registration Numbers) for approved use in every province of Canada
- “dead stop” bowl feature provides full closure without overtightening
- optimized piston seal ensures zero leakage and ease of bowl removal during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



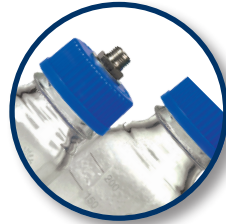
### connecting kits

description	fits	part number
NPP connecting kit	NPP 0325	NCK 0325



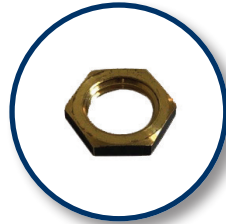
### wall mounting kits

description	fits	part number
NPP wall mounting kit	NPP 0325	NMK 0325



### sterilizable glass drain flask

description	fits	part number
NPP 100 mL flask	NPP 0325	MLF 250
NPP 100 mL flask with polymer coating	NPP 0325	MLA 250



### adapters

description	fits	part number
¼" NPT drain adapter (plastic)	NPP 0325	NAK 1P
¼" NPT drain adapter (brass)	NPP 0325	NAK 1