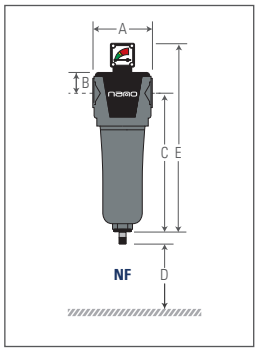
NF 0450 (grade)

450 scfm compressed air & gas filter

nano F[1] performance validated compressed air & gas filters are available in a complete range of element grades designed to meet and exceed industry air quality requirements. Filtration performance is tested and validated by an independent laboratory to ISO 12500 standards.

general characteristics	
rated flow (scfm) (1)	450
operating limits	
design operating pressure range (psig) (2)	22 to 232
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
end caps	glass filled nylon
replacement element (part no)	E 0450 (grade)
components	
automatic float drain	NDK 1500 as standard
differential pressure indicator / gauge	NDP 1500 as standard
air circuit	
inlet & outlet connections (NPT)	2"

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 grades	M25	M5	M1	M01	AC
maximum particle size (ISO class) (3)	-	3	2	1	-
maximum oil content (ISO class) (3)	-	4	2	1	1
particle removal (microns)	25	5	1	0.01	-
max oil carry over at 68°F (ppm or mg/m^3)	10	5	0.1	0.01	0.003
recommended operating temp range (°F)	35 to 176	35 to 176	35 to 176	35 to 176	35 to 77
design operating temperature range (°F)	35 to 176	35 to 176	35 to 176	35 to 176	35 to 122

(1) at 100 psig. For all other pressures, contact support@n-psi.com
(2) for pressure below 22 psig, order with a NDK 0050 condensate drain
(3) per ISO 8573.0:2001 (E)
(4) 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

element features

- designed to exceed the ISO 8573-1 standards for compressed air purity and the ISO 12500 series international standard for compressed air filter testing
- filtration performance validated and tested in independent laboratories in accordance with international filtration standards
- double element o-ring prevents contaminant bypass
- stainless steel cylinders provide strength, rigidity and corrosion resistance
- deep bed filter media provides low differential pressure
- 1 year element warranty (grades M1 to M25)

accessories

connecting kits

description	fits	part number
NF connecting kit	NF 0450	NCK 0700

wall mounting kits

description	fits	part number
NF wall mounting kit	NF 0450	NMK 0700

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