

# NMS 0280

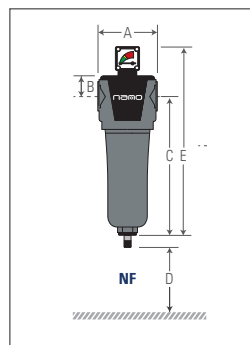
## 280 scfm medical sterile filter

nano F1 medical sterile filters are specifically designed and manufactured to exceed the requirements for medical gas pipeline systems. Applications include: dental, medical and veterinary.



general characteristics	
rated flow (scfm) <sup>(1)</sup>	280
operating limits	
design operating pressure range (psig)	0 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 with Nomex® protective wrap
end caps	303 stainless steel
replacement element (part no)	E 0325 MS
components	
condensate drain	MDV 50 as standard
differential pressure indicator / gauge	NDP 1500 as standard
air circuit	
inlet & outlet connections (NPT) <sup>(2)</sup>	1 ¼"

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	
DOP efficiency <sup>(3)</sup>	>99.9999%
particle removal	0.01 micron
recommended operating temperature range	35 to 212°F
design operating temperature range	35 to 248°F
maximum autoclave temperature <sup>(4)</sup>	273°F
pressure drop - clean	1.5 psid
pressure drop - recommended replacement	6.0 psid
flow direction through element	outside to inside
maximum steam sterilization cycles	100
maximum element life	6 months or 1000 hours

nano-purification solutions  
charlotte, north carolina  
united states

nano-purification solutions  
new bethlehem, pennsylvania  
united states

nano-purification solutions  
st. catharines, ontario  
canada

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F1: compressed air & gas filtration

- (1) at 100 psig. For all other pressures, contact support@n-psi.com
- (2) inlet and outlet connections are NPT threaded to ANSI B2.1
- (3) as specified in HTM 02-01 medical gas pipeline systems
- (4) applies to the element only
- (5) technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182

## features

### housing features

- third party tested and validated in accordance with HTM 02-01, NFPA 99, ISO 7396-1 and AS 2896
- includes element with stainless steel end caps for compatibility with autoclave sterilization
- 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
NMS connecting kit	NMS 0280	NCK 0325



### wall mounting kits

description	fits	part number
NMS wall mounting kit	NMS 0280	NMK 0325