

NMS 0700

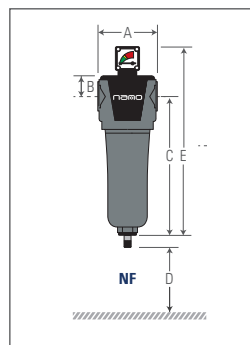
700 scfm medical sterile filter

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) ⁽¹⁾ | 700 |
| 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 0700 MS |
| components | |
| condensate drain | MDV 50 as standard |
| differential pressure indicator / gauge | NDP 1500 as standard |
| air circuit | |
| inlet & outlet connections (NPT) ⁽²⁾ | 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 | |
|--|------------------------|
| DOP efficiency ⁽³⁾ | >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 ⁽⁴⁾ | 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 |

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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 700 | NCK 0700 |



wall mounting kits

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