

mid pressure aluminum filters

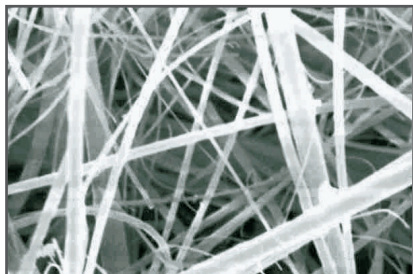
FEATURES

- unique range of up to 725 psig die cast aluminum filters for high pressure applications
- 9 models in 3 different housings up to 1600 scfm
- choose from 5 different element grades including 25, 5, 1 and 0.01 micron coalescing and/or dust filtration and activated carbon
- manufactured from machined and die cast aluminum
- E-Coat™ optimum corrosion protection provided by an internal and external epoxy powder coating followed by an external tough polyester powder coat finish
- innovative push-fit element design with dual o-ring seal to ensure optimum sealing and mechanical strength
- manufactured in an ISO 9001 approved facility and tested in accordance with ISO 8573-1:2010
- includes a hydrostatic test certificate and serial number for complete traceability
- CRN and ASME approved
- applications include PET bottle manufacturing, offshore instrumentation, medical and heavy industrial



proprietary media technology

hydrophobic and oleophobic borosilicate glass microfiber media repels oil and water for lower differential pressure



element design

robust design with internal/external stainless steel support cores and glass filled nylon end caps



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SPECIFICATIONS

| filter model | inlet & outlet | | rated flow ⁽¹⁾ | | dimensions (inches) | | | | approx. weight lbs | replacement element |
|-------------------|----------------|------|---------------------------|------|---------------------|-------|------|------|--------------------|---------------------|
| | NPT | scfm | Nm ³ /h | A | B | C | D | | | |
| N50A 0094 (grade) | ¼" | 94 | 160 | 2.48 | 0.55 | 5.71 | 1.97 | 1.3 | E50HP 0094 (grade) | |
| N50A 0147 (grade) | ⅜" | 147 | 250 | 2.48 | 0.55 | 6.89 | 1.97 | 1.4 | E50HP 0147 (grade) | |
| N50A 0265 (grade) | ½" | 265 | 450 | 4.33 | 1.50 | 10.75 | 5.91 | 6.2 | E50HP 0265 (grade) | |
| N50A 0324 (grade) | ¾" | 324 | 551 | 4.33 | 1.50 | 10.75 | 5.91 | 6.1 | E50HP 0324 (grade) | |
| N50A 0492 (grade) | 1" | 492 | 836 | 4.33 | 1.50 | 14.09 | 5.91 | 7.4 | E50HP 0492 (grade) | |
| N50A 0736 (grade) | 1½" | 662 | 1125 | 5.75 | 2.01 | 19.29 | 6.69 | 16.3 | E50HP 0736 (grade) | |
| N50A 1015 (grade) | 1½" | 914 | 1553 | 5.75 | 2.01 | 19.29 | 6.69 | 16.3 | E50HP 1132 (grade) | |
| N50A 1132 (grade) | 2" | 1020 | 1733 | 5.75 | 2.01 | 19.29 | 6.69 | 15.8 | E50HP 1132 (grade) | |
| N50A 1882 (grade) | 2" | 1694 | 2878 | 5.75 | 2.01 | 27.05 | 6.69 | 21.9 | E50HP 1882 (grade) | |

specifications

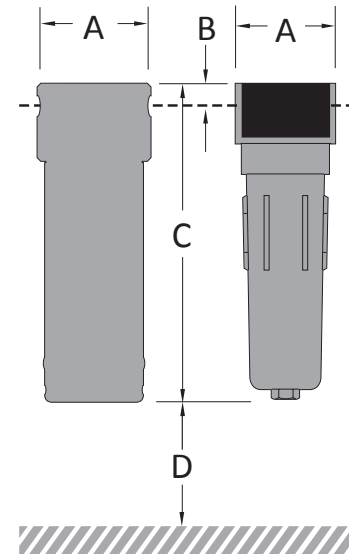
| | |
|--|------------------------------|
| design operating pressure range ⁽¹⁾ | 0 to 725 psig |
| condensate drain (included) | manual ball valve |
| filter housing material | machined & die cast aluminum |

element performance

| | M25 | M5 | M1 | M01 | AC |
|--|-------------|-------------|-------------|-------------|-------------|
| 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 | 35 to 212°F | 35 to 212°F | 35 to 212°F | 35 to 212°F | 35 to 77°F |
| design operating temperature range | 35 to 248°F | 35 to 248°F | 35 to 248°F | 35 to 248°F | 35 to 122°F |

pressure correction factors

| operating pressure (psig) | 60 | 90 | 120 | 150 | 220 | 290 | 435 | 580 | 640 | 725 |
|---|------|------|------|------|------|------|------|------|------|------|
| correction factors for models N50A 0094 to 0492 | 0.14 | 0.22 | 0.28 | 0.34 | 0.47 | 0.56 | 0.70 | 0.85 | - | 1.00 |
| correction factors for models N50A 0736 to 1882 | 0.17 | 0.24 | 0.31 | 0.38 | 0.51 | 0.62 | 0.79 | 0.94 | 1.00 | - |



- (1) ¼" to 1" NPT maximum design operating pressure 725 psig at 248°F with full CRN certification. Other connections 580 psig at 248°F with full CRN certification, 640 psig at 248°F with no CRN certification. For all other pressures, refer to the pressure correction factor table above
- (2) differential pressure indicator not included
- (3) install with air flow from inside to outside for coalescing and from outside to inside for dry dust filtration
- (4) technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182