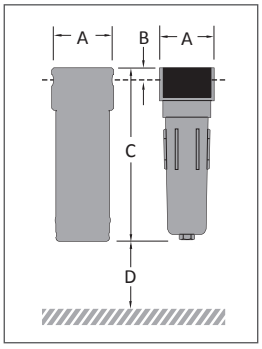
N50A 0094 (grade)

94 scfm mid pressure aluminum filter

nano F³ mid pressure aluminum filters are rated for a maximum working pressure of up to 725 psig. Manufactured from machined or die cast aluminum, they are designed for higher pressure applications including pharmaceutical testing, packaging and PET processing.

general characteristics	
rated flow (scfm) (1)	94
operating limits	
design operating pressure range (psig) (2)	0 to 725
design operating temperature range (°F)	35 to 248
housing construction	
materials	pressure die cast aluminum
finish	E-Coat™ surface treatment (internal) polyester powder paint (external)
element construction	
media	borosilicate glass microfiber with polyester needlefelt drainage layer
endcaps	glass filled nylon
replacement element (part no)	E50HP 0094 (grade)
components	
condensate drain	manual ball valve
air circuit	
inlet & outlet connections (NPT)	¼"

dimensions and weights	
A (ins)	2.48
B (ins)	0.55
C (ins)	5.71
D (ins)	1.97
weight (lbs)	1.3



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/m³)	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

(1) for all other pressures, contact support@n-psi.com

(2) 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.

(3) differential pressure indicator not included

(4) install with air flow from inside to outside for coalescing and from outside to inside for dry dust filtration

(5) technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182

Experience. Customer. Service.

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

features

- designed in accordance with ASME pressure vessel standards
- carries CRN (Canadian Registration Numbers) for approved use in every province of Canada [2]
- innovative push-fit element design with dual o-ring to ensure optimum sealing and mechanical strength
- custom engineered filter media designed to handle the heat while providing high efficiency filtration with minimal pressure drop
- includes hydrostatic test certificate and serial number for complete traceability
- 10 year housing warranty

MEMBER OF CAGI Compressed Air & Gas Institute

technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182

©2021 Air and Gas Solutions LLC
publication ref.n-psi-F3-N50A0094-00-us