

Mid Pressure Aluminum Filters



A unique range of 725 psig die cast aluminum filters providing exceptional value & performance.

The nano F-Series³ range of mid pressure filters consists of nine models in three different housing designs.

Manufactured from machined and die cast aluminum and polyester powder coated for optimum corrosion protection, the nano F-Series³ are designed for the unique demands of high pressure applications.

These filters incorporate an innovative push-fit element design with dual o-ring seals to ensure optimum sealing and mechanical strength.

Models up to 1882 scfm

Choose from five different elements including 25, 5, 1 and 0.01 micron coalescing and/or dust filtration, and activated carbon oil vapor removal. The custom engineered filter media is designed to provide low air velocity preventing oil carry over for high efficiency filtration with minimal pressure drop.

Manufactured in an ISO 9001 approved facility and tested in accordance with ISO 8573-1:2010.



Applications Include:

Chemical

Food & Beverage

Manufacturing

Military

Oil & Gas

PET

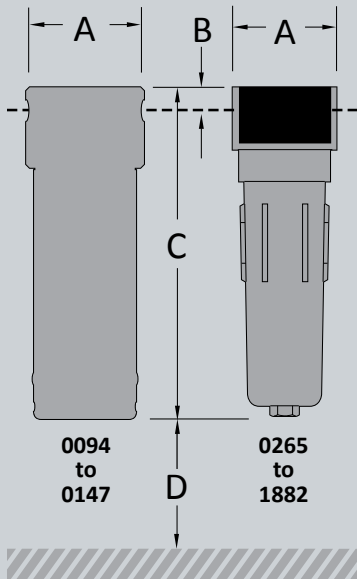
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Technical Specification

Filter Model	Inlet & Outlet Connections	Maximum Rated Flow ⁽¹⁾		Dimensions (inches)				Approximate Weight	Replacement Element
		scfm	Nm ³ /h	A	B	C	D	lbs	
N50A 0094 (grade)	¼	94	160	2.5	0.6	5.9	2.0	1.3	E50HP 0094 (grade)
N50A 0147 (grade)	¾	147	250	2.5	0.6	7.5	2.0	1.4	E50HP 0147 (grade)
N50A 0265 (grade)	½	265	450	4.5	1.5	12.0	5.9	6.2	E50HP 0265 (grade)
N50A 0324 (grade)	¾	324	550	4.5	1.5	12.0	5.9	6.1	E50HP 0324 (grade)
N50A 0492 (grade)	1	492	835	4.5	1.5	15.6	5.9	7.4	E50HP 0492 (grade)
N50A 0736 (grade)	1½	736	1250	5.8	2.0	17.1	6.7	16.3	E50HP 0736 (grade)
N50A 1015 (grade)	1½	1015	1725	5.8	2.0	17.1	6.7	16.3	E50HP 1132 (grade)
N50A 1132 (grade)	2	1132	1925	5.8	2.0	17.1	6.7	15.8	E50HP 1132 (grade)
N50A 1882 (grade)	2	1882	3200	5.8	2.0	25.0	6.7	21.9	E50HP 1882 (grade)

(1) At 725 psig. For all other pressures, refer to the pressure correction factor table below.



element grade	Coalescing or Dust Filtration				Carbon
	M25	M5	M1	M01	AC
particle removal (micron)	25	5	1	0.01	0.01
max oil carryover at 68°F (ppm)	10	5	0.1	0.01	0.003
max recommended operating temp	212°F				77°F
max design operating temperature	248°F				122°F
max allowable operating pressure	725 psig				

Install with air flow from inside to outside for coalescing and from outside to inside for dry dust filtration.

pressure correction factors

Operating Pressure (psig)	60	90	120	150	220	290	435	580	725
Correction Factor	0.14	0.22	0.28	0.34	0.47	0.56	0.70	0.85	1.00

technical notes

- All filters are supplied with a manual condensate drain. Contact support@n-psi.com for other drain options.
- Filters do not include a differential pressure indicator.
- Elements are not color coded. Confirm part numbers match during element replacement.
- Activated carbon filters must be installed immediately downstream of an M01 coalescing filter.
- Activated carbon elements will not remove gases such as carbon monoxide (CO) and carbon dioxide (CO₂) and are not suitable for breathing air applications.
- Coalescing and dust grade filter elements must be changed at least every 12 months or 8000 hours (whichever comes first). Activated carbon filter elements must be changed at least every 6 months / 1000 hours (whichever comes first).

