

mid pressure aluminium filters



a unique range of 50 barg die cast aluminium filters providing exceptional value & performance

The nano F³ range of mid pressure filters consists of nine models in three different housing designs.

Manufactured from machined and die cast aluminium and polyester powder coated for optimum corrosion protection, the nano F³ range is 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 3200 Nm³/hr

Choose from three different elements including 1 and 0.01 micron coalescing and/or dust filtration and activated carbon oil vapour 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

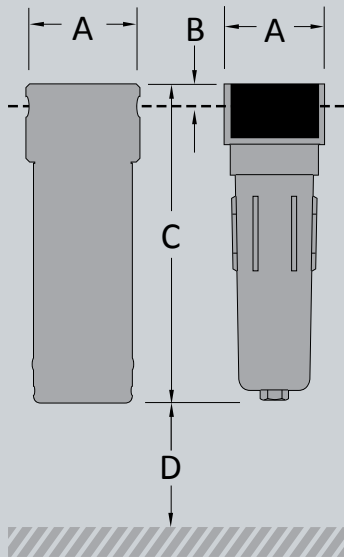
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technical specification

filter model	inlet & outlet BSP	rated flow ⁽¹⁾		dimensions (mm)				approx. weight	replacement element
		Nm ³ /h	scfm	A	B	C	D	kg	part no.
N50A 0094 (grade)	¼"	160	94	63	15	150	50	0.3	E50HP 0094 (grade)
N50A 0147 (grade)	⅜"	250	147	63	15	190	50	0.3	E50HP 0147 (grade)
N50A 0265 (grade)	½"	450	265	114	38	305	150	2.6	E50HP 0265 (grade)
N50A 0324 (grade)	¾"	550	324	114	38	305	150	2.6	E50HP 0324 (grade)
N50A 0492 (grade)	1"	835	492	114	38	395	150	3.3	E50HP 0492 (grade)
N50A 0736 (grade)	1½"	1250	736	146	50	435	170	7.5	E50HP 0736 (grade)
N50A 1015 (grade)	1½"	1725	1015	146	50	435	170	7.5	E50HP 1132 (grade)
N50A 1132 (grade)	2"	1925	1132	146	50	435	170	7.5	E50HP 1132 (grade)
N50A 1882 (grade)	2"	3200	1882	146	50	635	170	10.0	E50HP 1882 (grade)



specifications

design operating pressure range	2 to 50 barg
condensate drain (included)	manual ball valve
filter housing material	machined & die cast aluminium

element performance

	M1	M01	AC
particle removal (microns)	1	0.01	-
max oil carry over at 25°C (ppm or mg/m ³)	0.1	0.01	0.003
recommended operating temp range (°C)	2 - 100	2 - 100	2 - 25
design operating temperature range (°C)	2 - 120	2 - 120	2 - 50

pressure correction factors

operating pressure (barg)	4	6	8	10	15	20	30	40	50
correction factor	0.14	0.22	0.28	0.34	0.47	0.56	0.70	0.85	1.00

(1) at 50 barg. For all other pressures, refer to the pressure correction factor table above

- differential pressure indicator not included
- install with air flow from inside to outside for coalescing and from outside to inside for dry dust filtration

