



94 to 1600 scfm

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.

filter model	fi	replacement element	inlet & outlet	rated flow ⁽¹⁾		dimensions (inches)				approx. weight lbs
		part no.		NPT	scfm	Nm ³ /h	A	B	C	
N50A 0094 (grade)		E50HP 0094 (grade)	¼"	94	160	2.48	0.55	5.71	1.97	1.3
N50A 0147 (grade)		E50HP 0147 (grade)	⅜"	147	250	2.48	0.55	6.89	1.97	1.4
N50A 0265 (grade)		E50HP 0265 (grade)	½"	265	450	4.33	1.50	10.75	5.91	6.2
N50A 0324 (grade)		E50HP 0324 (grade)	¾"	324	551	4.33	1.50	10.75	5.91	6.1
N50A 0492 (grade)		E50HP 0492 (grade)	1"	492	836	4.33	1.50	14.09	5.91	7.4
N50A 0736 (grade)		E50HP 0736 (grade)	1½"	662	1125	5.75	2.01	19.29	6.69	16.3
N50A 1015 (grade)		E50HP 1132 (grade)	1½"	914	1553	5.75	2.01	19.29	6.69	16.3
N50A 1132 (grade)		E50HP 1132 (grade)	2"	1020	1733	5.75	2.01	19.29	6.69	15.8
N50A 1882 (grade)		E50HP 1882 (grade)	2"	1694	2878	5.75	2.01	27.05	6.69	21.9

specifications

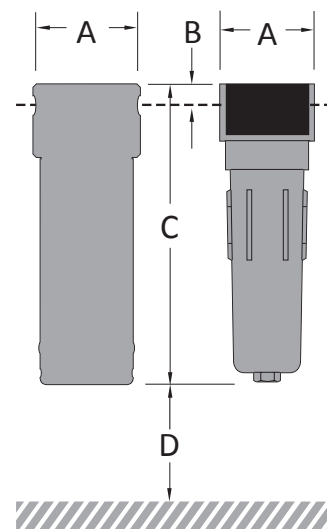
design operating pressure range ⁽¹⁾	0 to 725 psig
condensate drain (included)	manual ball valve
filter housing material	machined & die cast aluminum

element performance

	M25	M5	M1	M01	AC ⁽²⁾
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 (°F)	35 to 212	35 to 212	35 to 212	35 to 212	35 to 77
design operating temperature range (°F)	35 to 248	35 to 248	35 to 248	35 to 248	35 to 122

pressure correction factors

operating pressure (psig)	60	90	120	150	220	290	435	580	640	725
correction factor 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 factor 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) see below for important information regarding the use of activated carbon filters

- differential pressure indicator not included
- install with air flow from inside to outside for coalescing and from outside to inside for dry dust filtration
- refer to the ND condensate drain pages for a complete list of drain options

Activated carbon filters must always be installed immediately downstream of a M01 coalescing filter. They will not remove carbon monoxide (CO) or carbon dioxide (CO₂) and are not suitable for breathing air applications. The life of the element decreases as the inlet temperature increases. They are not recommended for temperatures above 77°F. As a maximum, activated carbon elements should be replaced every 1000 hours or 6 months, whichever is shorter.

