

# F4 high pressure stainless steel filters

28 to 2000 scfm



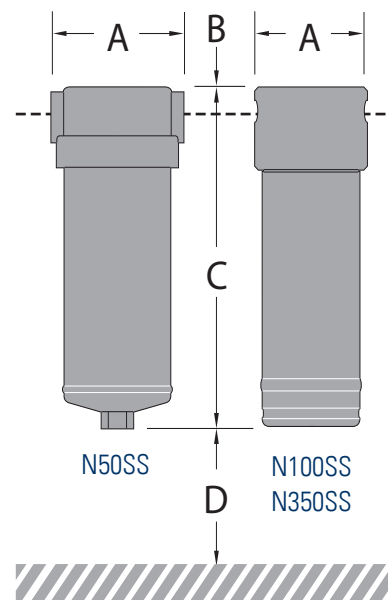
nano F4 high pressure stainless steel filters come in 725, 1450 and 5000 psig pressure ratings. Manufactured from high grade stainless steel, they are designed to exceed requirements for many high pressure applications including PET, offshore and instrumentation.

filter model	replacement element	inlet & outlet		rated flow <sup>(1)</sup>		dimensions (inches)				approx. weight
	part no.	NPT	scfm	Nm <sup>3</sup> /h	A	B	C	D	lbs	
<b>N50SS (725 psig)</b>										
N50SS 0060 (grade)	E50SS 0060 (grade)	¼"	60	100	3.35	0.71	6.69	2.95	3.7	
N50SS 0120 (grade)	E50SS 0120 (grade)	¾"	120	200	3.35	0.71	8.07	3.94	4.4	
N50SS 0200 (grade)	E50SS 0200 (grade)	½"	200	340	3.35	0.71	10.04	3.94	4.8	
N50SS 0300 (grade)	E50SS 0300 (grade)	¾"	300	500	4.33	1.06	10.63	5.91	8.8	
N50SS 0600 (grade)	E50SS 0600 (grade)	1"	600	1000	4.33	1.06	16.54	11.81	11.0	
N50SS 1000 (grade)	E50SS 1200 (grade)	1 ½"	1000	1700	5.91	1.77	20.67	11.81	33.0	
N50SS 1200 (grade)	E50SS 1200 (grade)	2"	1200	2040	5.91	1.77	20.67	11.81	33.0	
N50SS 2000 (grade)	E50SS 2000 (grade)	2"	2000	3400	5.91	1.77	32.48	19.69	46.2	
<b>N100SS (1450 psig)</b>										
N100SS 0060 (grade)	E100SS 0060 (grade)	¼"	60	100	2.56	0.79	5.31	2.76	7.0	
N100SS 0185 (grade)	E100SS 0185 (grade)	½"	185	315	2.56	0.79	9.84	7.09	12.3	
N100SS 0270 (grade)	E100SS 0270 (grade)	¾"	270	460	3.15	0.98	10.83	9.84	13.4	
N100SS 0400 (grade)	E100SS 0400 (grade)	1"	400	680	5.31	1.02	10.43	11.81	23.1	
N100SS 0700 (grade)	E100SS 0700 (grade)	1"	700	1200	5.31	1.02	16.46	11.81	32.3	
N100SS 1000 (grade)	E100SS 1000 (grade)	1 ½"	1000	1700	5.91	1.77	20.67	11.81	48.4	
N100SS 2000 (grade)	E100SS 2000 (grade)	2"	2000	3400	5.91	1.77	32.48	19.69	61.6	
<b>N350SS (5000 psig)</b>										
N350SS 0028 (grade)	E350SS 0028 (grade)	¼"	28	48	1.61	0.39	4.06	2.36	3.5	
N350SS 0067 (grade)	E350SS 0067 (grade)	¼"	67	111	2.56	0.79	5.31	2.76	7.0	
N350SS 0150 (grade)	E350SS 0150 (grade)	½"	150	255	3.15	0.79	8.27	5.91	12.32	
N350SS 0300 (grade)	E350SS 0300 (grade)	¾"	300	510	3.15	0.98	11.02	5.91	13.42	
N350SS 0445 (grade)	E350SS 0445 (grade)	1"	445	750	5.91	1.38	12.99	7.87	31.9	
N350SS 0775 (grade)	E350SS 0775 (grade)	1"	775	1330	5.91	1.38	18.90	11.81	38.3	

element performance	WS <sup>(2)</sup>	M25	M5	M1	M01	AC <sup>(3)</sup>
particle removal (microns)	-	25	5	1	0.01	-
max oil carry over at 68°F (ppm or mg/m <sup>3</sup> )	25	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 212	35 to 77
design operating temperature range (°F)	35 to 248	35 to 248	35 to 248	35 to 248	35 to 248	35 to 122

specifications	N50SS	N100SS	N350SS
design operating pressure range	0 to 725 psig	0 to 1450 psig	0 to 5000 psig
condensate drain (included)		manual ball valve	
housing material		316 stainless steel	

pressure correction factors										
<b>N50SS (725 psig)</b>										
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	
<b>N100SS (1450 psig)</b>										
operating pressure (psig)	290	435	580	725	870	1015	1160	1305	1450	
correction factor	0.45	0.57	0.68	0.80	0.84	0.88	0.92	0.96	1.00	
<b>N350SS (5000 psig)</b>										
operating pressure (psig)	725	1450	2175	2900	3625	4350	5000			
correction factor	0.73	0.78	0.82	0.87	0.91	0.96	1.00			



(1) at 725, 1450 or 5000 psig as applicable. For all other pressures, refer to the pressure correction factor table above  
 (2) water separator not available for models N50SS 0060, N50SS 2000, N100SS 0700, N100SS 1000, N350SS 0150, N350SS 0300, N350SS 0445 and N350SS 0775  
 (3) see page 13 for important information regarding the use of activated carbon filters  
 • install with air flow inside to outside for coalescing filtration and outside to inside for dry particulate filtration  
 • differential pressure indicator not included