stainless steel high pressure filters

a comprehensive range of stainless steel filters ideal for a wide variety of high pressure applications

The nano F⁴ range of stainless steel high pressure filters consists of 21 models across three pressure ranges offering flow ratings up to 3400 Nm³/hr and pressure ratings up to 350 barg.

Manufactured from high grade 316 stainless steel the nano F⁴ range is precision engineered with high pressure applications in mind.

The 50 barg range incorporates an innovative push-fit element design to ensure optimum sealing and mechanical strength. Elements are colour coded for easy identification. The 100 and 350 barg ranges incorporate elements with corrosion resistant stainless steel end caps.

up to 350 barg MAWP

Choose from four different levels of contaminant removal including water separation, 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
- pharmaceuticals

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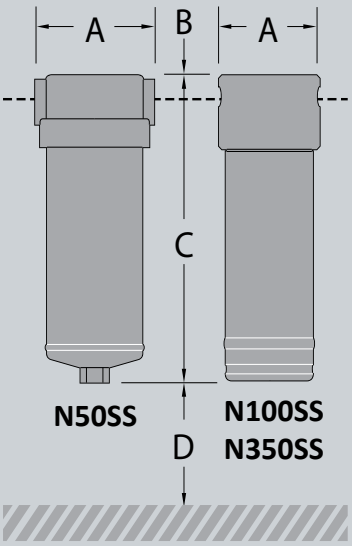
technical specification

filter model	inlet & outlet	maximum rated flow (1)		dimensions (mm)				approximate weight	replacement element
	BSPP	Nm³/h	scfm	A	B	C	D	kg	
N50SS (50 barg)									
N50SS 0060 (grade)	¼"	100	60	85	18	170	75	1.7	E50SS 0060 (grade)
N50SS 0120 (grade)	⅜"	200	120	85	18	205	100	2.0	E50SS 0120 (grade)
N50SS 0200 (grade)	½"	340	200	85	18	255	100	2.2	E50SS 0200 (grade)
N50SS 0300 (grade)	¾"	500	300	110	27	270	150	4.0	E50SS 0300 (grade)
N50SS 0600 (grade)	1"	1000	600	110	27	420	300	5.0	E50SS 0600 (grade)
N50SS 1000 (grade)	1½"	1700	1000	150	45	525	300	15.0	E50SS 1200 (grade)
N50SS 1200 (grade)	2"	2040	1200	150	45	525	300	15.0	E50SS 1200 (grade)
N50SS 2000 (grade)	2"	3400	2000	150	45	825	500	21.0	E50SS 2000 (grade)
N100SS (100 barg)									
N100SS 0060 (grade)	¼"	100	60	65	20	135	70	3.2	E100SS 0060 (grade)
N100SS 0185 (grade)	½"	315	185	65	20	250	180	5.6	E100SS 0185 (grade)
N100SS 0270 (grade)	¾"	460	270	88	20	275	250	6.1	E100SS 0270 (grade)
N100SS 0400 (grade)	1"	680	400	132	26	265	150	10.5	E100SS 0400 (grade)
N100SS 0700 (grade)	1"	1200	700	132	26	480	300	14.7	E100SS 0700 (grade)
N100SS 1000 (grade)	1½"	1700	1000	150	45	525	300	22.0	E100SS 1000 (grade)
N100SS 2000 (grade)	2"	3400	2000	150	45	825	500	28.0	E100SS 2000 (grade)
N350SS (350 barg)									
N350SS 0028 (grade)	¼"	48	28	41	10	103	60	1.6	E350SS 0028 (grade)
N350SS 0067 (grade)	¼"	111	67	65	20	135	70	3.2	E350SS 0067 (grade)
N350SS 0150 (grade)	½"	255	150	88	20	210	150	5.6	E350SS 0150 (grade)
N350SS 0300 (grade)	¾"	510	300	88	25	280	250	6.1	E350SS 0300 (grade)
N350SS 0445 (grade)	1"	750	445	150	35	330	200	14.5	E350SS 0445 (grade)
N350SS0775 (grade)	1"	1330	775	150	35	480	300	17.4	E350SS 0775 (grade)



element performance	WS	M1	M01	AC
particle removal (microns)	NA	1	0.01	-
max oil carry over at 25°C (ppm or mg/m³)	NA	0.1	0.01	0.003
recommended operating temp range (°C)	2 - 100	2 - 100	2 -100	2 - 25
design operating temperature range (°C)	2 - 120	2 - 120	2 - 120	2 - 50

specifications	N50SS	N100SS	N350SS
design operating pressure range	0 to 50 barg	0 to 100 barg	0 tp 350 barg
condensate drain (included)		manual ball valve	
housing material		316 stainless steel	

pressure correction factors

N50SS (50 barg)									
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
N100SS (100 barg)									
operating pressure (barg)	20	30	40	50	60	70	80	90	100
correction factor	0.45	0.57	0.68	0.80	0.84	0.88	0.92	0.96	1.00
N350SS (350 barg)									
operating pressure (barg)	50	100	150	200	250	300	350		
correction factor	0.73	0.78	0.82	0.87	0.91	0.96	1.00		

(1) at 50, 100 or 350 barg as applicable. For all other pressures, refer to the pressure correction factor table above

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