



ASIAN VERSION COMPRESSED AIR FLANGED FILTERS



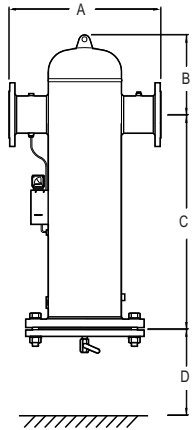
This special Asian version of high capacity filters has been developed exclusively for Novus, based on the Asian experiences of Novus in the compressed air field. This range has been designed in accordance with EN286, ASMEVIII and CRN pressure vessel standards.

The range includes various model sizes with flow capacities to suit all industrial applications; high capacity filters are available on request.

Unique features of this range include stainless steel internal parts for maintenance free operation, a dual sided differential gauge for easy viewing and a side connection to an electronic drain or for a drain balance line.

The coalescing elements are specially constructed for a higher dirt retention rate and longer life. They are of rugged design enabling the elements to endure the harsh environmental conditions prevalent in Asia and other tropical regions world over.

High dirt retention capacity specially designed
for dusty environments in Asia & Asia Pacific



Models NA 3998 to NA 4005

FILTER MODEL	FLANGE SIZE inch	FLOW RATE		ELEMENT MODEL	NUMBER OF ELEMENTS	DIMENSIONS mm				WEIGHT		DIMENSIONS inch				FILTER MODEL
		m ³ /h	CFM			A	B	C	D	Kg	lb	A	B	C	D	
NA 4000	3	2275	1339	NV009	1	450	300	940	700	58	128	17 3/4	12	37	28	NA4000
NA 4001	4	3265	1922	NV008	3	520	300	960	700	74	163	20 1/2	12	38	28	NA4001
NA 4002	4	4690	2760	NV008	4	520	300	960	700	74	163	20 1/2	12	38	28	NA4002
NA 3998	6	6850	4032	NV008	6	680	400	1000	700	165	364	26 3/4	16	39 1/2	28	NA3998
NA 3999	6	9190	5409	NV008	8	780	400	1030	700	208	459	30 3/4	16	40 1/2	28	NA3999
NA 4003	8	14970	8811	NV008	10	780	440	1060	700	260	573	30 3/4	18	41 3/4	28	NA4003
NA 4004	10	17920	10547	NV008	16	900	530	1100	700	450	992	35 1/2	21	43 1/2	28	NA4004
NA 4005	12	26880	15821	NV008	24	900	600	1100	700	1200	2646	35 1/2	24	43 1/2	28	NA4005

Flow measured at 35°C, 1.033kg/cm² & 75%RH

SPECIFICATION	GRADE X25		GRADE X5		GRADE X1		GRADE XA		GRADE AC	
Maximum particle size class to ISO 8573-1:2001(E)	4		3		2		1		1	
Maximum oil content class to ISO 8573-1:2001(E)	-		4		2		1		1	
Particle removal	25 micron		5 micron		1 micron		0.01 micron		0.01 micron	
Maximum oil carryover at 20°C (68°F)	10 mg/m ³	10 ppm	5 mg/m ³	5 ppm	0.1 mg/m ³	0.1 ppm	0.01 mg/m ³	0.01 ppm	0.003 mg/m ³	0.003 ppm
Maximum temperature	120°C	248°F	120°C	248°F	120°C	248°F	120°C	248°F	25°C	77°F
Pressure loss - clean & dry	30 mbar	0.4 psi	40 mbar	0.6 psi	75 mbar	1.1 psi	100 mbar	1.5 psi	75 mbar	1.1 psi
Pressure loss - oil saturated	50 mbar	0.7 psi	75 mbar	1.1 psi	150 mbar	2.2 psi	300 mbar	4.4 psi	see notes	
Pressure loss - change element	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi	400 mbar	6 psi	see notes	
Maximum working pressure	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig	16 barg	232 psig
Element end cap colour	black									

* ISO 8573-1:2001(E) now includes liquid, aerosol and vapour.

TECHNICAL NOTES

- Flanged filters are fabricated from carbon steel. (Available in full stainless steel as an option).
- Flanged filters are designed in accordance with BS EN286 or ASME VIII.
- Flanged connections are to BS 4504 PN16, DIN2633 or ANSI 150 #RF.
- Filter element bottom end caps are colour coded black and are internally threaded to ease installation. Direction of air flow, inside to out, through filter element.
- Activated carbon filters must not operate in oil saturated conditions and will not remove certain types of gases including carbon monoxide and carbon dioxide.
- Grade AC elements must be changed periodically to suit application but at least every 6 months.
- Differential pressure indicators are fitted to all models, part number 65DPIB-B.
- Inlet and outlet pressure tapings are included to facilitate pressure gauge installation.
- 1/2" manual drain valves are fitted to NA 4000 to NA4003, 3/4" fitted to NA4004 and NA4005 as standard. An additional 1/2" side entry drain port is included on models NA4000 to NA4003, 3/4" to NA4004 and NA4005.
- Flanged filters and filter elements are suitable for use with mineral and synthetic oils plus oil free compressed air applications.

CORRECTION FACTOR

For maximum flow rate, multiply model flow rate shown in the above table by the correction factor corresponding to the working pressure.

Operating pressure	barg	0.3	0.6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
		psi	4	9	14.5	29	44	58	72	87	100	115	130	145	160	174	189	203	218
Correction factor		0.21	0.29	0.38	0.53	0.65	0.76	0.84	0.92	1	1.07	1.13	1.19	1.25	1.31	1.36	1.41	1.46	1.51



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Built by Walker Filtration UK exclusively for Novus.