

## high capacity flanged filters

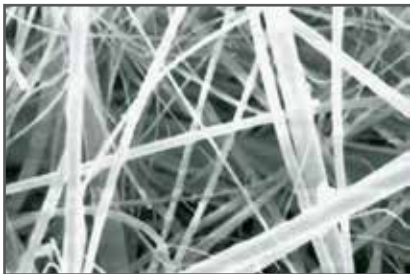
### FEATURES

- provide reliable and efficient liquid and particulate removal with low pressure drop for high flow industrial applications
- encompasses 17 models with ANSI flanged connections from 4 to 10" and rated flows from 1410 to 10,230 scfm
- choose from 4 different element grades including 1, 0.01 micron, 0.003 ppm activated carbon and 1 micron high temperature micron coalescing and/or dust filtration
- available in two flow configurations to fit every application
- fabricated from high quality carbon steel
- externally primed and powder coated for optimum corrosion resistance; 3-part epoxy finish available as option
- built in accordance with ASME VIII with U-Stamp and CRN number (CRN standard on Z-flow; optional on T-flow)
- manufactured in an ISO 9001 approved facility and tested in accordance with ISO 12500
- high pressure and stainless steel options available
- applications include chemical, food and beverage, manufacturing, military and oil and gas



#### proprietary media technology

hydrophobic and oleophobic borosilicate glass microfiber media repels oil and water for lower differential pressure



#### element design

outer drainage layer compatible with synthetic lubricants and prevents oil carry over



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# SPECIFICATIONS

filter model	inlet & outlet		rated flow <sup>(1)</sup>		dimensions (inches)					approx. weight lbs	replacement element	qty
	flange	scfm	Nm <sup>3</sup> /h	A	B	C	D	E				
NFZ (Z flow)												
NFZ 2500 (grade)	4"	2500	4248	21.0	10.8	12.4	54.7	30.0	340	E 0853 (grade)-AL	3	
NFZ 3000 (grade)	4"	3000	5097	21.0	10.8	12.4	54.7	30.0	340	E 0853 (grade)-AL	4	
NFZ 3500 (grade)	6"	3500	5947	21.0	10.8	13.9	58.7	30.0	370	E 0853 (grade)-AL	4	
NFZ 4000 (grade)	6"	4000	6796	23.0	12.8	16.8	61.4	30.0	410	E 0853 (grade)-AL	5	
NFZ 5000 (grade)	6"	5000	8495	24.3	14.0	17.4	62.0	30.0	460	E 0853 (grade)-AL	6	
NFZ 6000 (grade)	6"	6000	10194	24.3	14.0	17.4	62.0	30.0	460	E 0853 (grade)-AL	7	
NFZ 7500 (grade)	8"	7500	12743	28.3	18.0	19.9	69.4	30.0	560	E 0853 (grade)-AL	9	
NFZ 8500 (grade)	8"	8500	14442	28.3	18.0	19.9	69.4	30.0	560	E 0853 (grade)-AL	10	
NFZ 10000 (grade)	10"	10000	16990	28.3	18.0	17.8	70.1	30.0	640	E 0853 (grade)-AL	12	
NFT (T flow)												
NFT 1700 (grade)	4"	1700	2888	21.0	10.8	11.5	49.0	30.0	330	E 0853 (grade)-AL	2	
NFT 2500 (grade)	4"	2500	4248	21.0	10.8	8.8	49.0	30.0	330	E 0853 (grade)-AL	3	
NFT 3500 (grade)	6"	3500	5947	23.0	12.8	12.8	55.4	30.0	360	E 0853 (grade)-AL	4	
NFT 4000 (grade)	6"	4000	6796	23.0	12.8	12.9	55.4	30.0	360	E 0853 (grade)-AL	5	
NFT 5000 (grade)	6"	5000	8495	24.3	14.0	13.4	53.7	30.0	410	E 0853 (grade)-AL	6	
NFT 7000 (grade)	8"	7000	11893	28.3	18.0	15.8	57.4	30.0	500	E 0853 (grade)-AL	8	
NFT 8500 (grade)	8"	8500	14442	28.3	18.0	15.8	63.3	30.0	500	E 0853 (grade)-AL	10	
NFT 10000 (grade)	10"	10000	16990	28.3	18.0	14.1	55.4	30.0	625	E 0853 (grade)-AL	12	

specifications	NFZ	NFT
design operating pressure range	0 to 150 psig	0 to 150 psig
condensate drain (included)	automatic float	automatic float
ASME VIII & U stamp	standard	standard
Canadian Registration Number	standard	optional

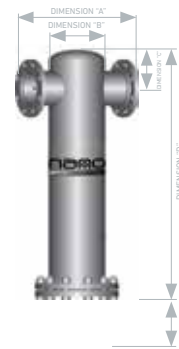
element performance	M1	M1 HT	M01	AC
maximum particle size (ISO Class) <sup>(2)</sup>	2	2	1	-
maximum oil content (ISO Class) <sup>(2)</sup>	2	2	1	1
particle removal (microns)	1	1	0.01	-
maximum oil carry over at 68°F (ppm or mg/m <sup>3</sup> )	0.1	0.1	0.01	0.003
recommended operating temperature range	35 to 212°F	35 to 450°F	35 to 212°F	35 to 77°F
design operating temperature range	35 to 248°F	35 to 450°F	35 to 248°F	35 to 122°F

pressure correction factors	60	70	85	100	115	145
operating pressure (psig)	60	70	85	100	115	145
correction factor	0.76	0.84	0.92	1.00	1.07	1.19

- (1) at 100 psig. For all other pressures, refer to the pressure correction factor table above
- (2) per ISO 8573.0:2010
- (3) for coalescing inlet is at bottom, outlet at top. For particulate, inlet is at top, outlet at bottom
- (4) install with air flow from inside to outside for coalescing filtration and from outside to inside for dry particulate filtration
- (5) differential pressure gauge indicators and external float drains are fitted to all models (except AC grade elements and high temperature applications)
- (6) technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182



NFZ



NFT

