

high capacity flanged filters

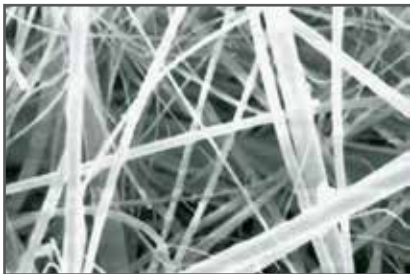
FEATURES

- 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



nano-purification solutions
charlotte, north carolina
united states

nano-purification solutions
new bethlehem, pennsylvania
united states

nano-purification solutions
st. catharines, ontario
canada

nano-purification solutions
gateshead, tyne and wear
united kingdom

nano-purification solutions
krefeld, germany

tel: 704.897.2182
fax: 704.897.2183
email: support@n-psi.com
web: www.n-psi.com

SPECIFICATIONS

filter model	inlet & outlet		rated flow ⁽¹⁾		dimensions (inches)					approx. weight lbs	replacement element	qty
	flange	scfm	Nm ³ /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

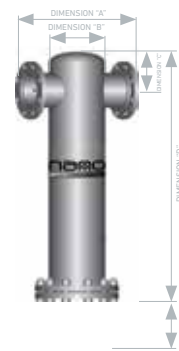
element performance	M1	M1 HT	M01	AC
maximum particle size (ISO Class) ⁽²⁾	2	2	1	-
maximum oil content (ISO Class) ⁽²⁾	2	2	1	1
particle removal (microns)	1	1	0.01	-
maximum oil carry over at 68°F (ppm or mg/m ³)	0.1	0.1	0.01	0.003
recommended operating temperature range	35 to 212°F	35 to 450°F	35 to 212°F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

