

## performance validated compressed air & gas filters

### FEATURES

- advanced filter design to optimize flow capabilities, significantly reducing differential pressure and thus increasing energy efficiency
- utilizes a new deep pleated media technology across the range, combined with a custom-engineered anti re-entrainment layer for exceptional oil coalescing performance
- 18 models with connections from 1/8" to 3" NPT and rated flows from 6 to 1500 scfm
- extremely low pressure drop across the range (<125 mbar)
- tested and validated in accordance with ISO 12500-1 & ISO 8573.1:2010
- both housings and elements are manufactured using on the highest quality materials to provide optimum performance and improved efficiencies
- guaranteed safe housing closure with single start, fixed thread engagement stop and lock indication arrows to prevent over tightening ensuring effective sealing
- externally accessible float drain supplied as standard



#### easy to use elements

push fit elements perfect sealing within filter housing; color coded end caps for quick and simple grade identification



#### deep-pleated media

delivers exceptional particulate retention and oil aerosol removal while significantly reducing pressure losses



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# SPECIFICATIONS

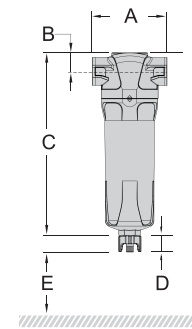
filter model	inlet & outlet NPT/Flg	rated flow <sup>(1)</sup>		dimensions (inches)					approx. weight lbs
		scfm	Nm <sup>3</sup> /h	A	B	C <sup>(2)</sup>	D	E	
GF 0006 (grade)	1/8"	6	10	1.97	0.67	6.18	1.10	10.5	0.6
GF 0015 (grade)	1/4"	15	25	1.97	0.67	6.18	1.10	10.5	0.6
GF 0025 (grade)	1/4"	25	42	2.76	0.95	9.09	1.10	13.4	1.3
GF 0032 (grade)	3/8"	32	54	2.76	0.95	9.09	1.10	13.4	1.3
GF 0050 (grade)	1/2"	50	85	2.76	0.95	9.09	1.10	13.4	1.3
GF 0070 (grade)	1/2"	70	119	5.00	1.26	11.22	1.18	15.6	3.7
GF 0085 (grade)	3/4"	85	145	5.00	1.26	11.22	1.18	15.6	3.7
GF 0105 (grade)	1"	105	178	5.00	1.26	11.22	1.18	15.6	3.7
GF 0125 (grade)	3/4"	125	212	5.00	1.26	14.61	1.18	19.0	4.4
GF 0175 (grade)	1"	175	298	5.00	1.26	14.61	1.18	19.0	4.4
GF 0280 (grade)	1 1/4"	280	476	5.51	1.58	18.70	1.18	23.1	6.6
GF 0325 (grade)	1 1/2"	325	553	5.51	1.58	18.70	1.18	23.1	6.6
GF 0450 (grade)	2"	450	765	6.69	2.09	20.00	1.18	24.4	10.8
GF 0700 (grade)	2"	700	1190	6.69	2.09	27.87	1.18	32.2	12.1
GF 0850 (grade)	2 1/2"	850	1445	8.66	2.76	28.98	1.18	33.4	23.1
GF 0900 (grade)	3"	900	1530	8.66	2.76	28.98	1.18	33.4	23.1
GF 1250 (grade)	3"	1250	2125	8.66	2.76	33.74	1.18	38.1	25.4
GF 1500 (grade)	3"	1500	2550	8.66	2.76	39.57	1.18	43.9	27.6

specifications	0006 to 0015	0025 to 0050	0070 to 1500
design operating pressure range	0 to 232 psig	0 to 232 psig	22 to 232 psig <sup>(3)</sup>
automatic float drain <sup>(4)</sup>	GFDK 0050	GFDK 0050	GFDK 1500
differential pressure indicator	-	GFDP 1500	GFDK 1500
differential pressure indicator	-	GFDP 0050	-

specifications	M1	M01	AC
maximum particle size (ISO class) <sup>(5)</sup>	3	1	-
maximum oil content (ISO class) <sup>(5)</sup>	3	2	1
particle removal (microns)	1	0.01	-
max oil carry over at 68°F (ppm or mg/m <sup>3</sup> )	0.3	0.01	0.003
design operating temperature range (°F)	32 to 176	32 to 176	32 to 122

pressure correction factors									
operating pressure (psig)	58	72	87	100	115	145	174	203	232
correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51

- (1) at 100 psig. For all other pressures, refer to the pressure correction factors above
- (2) differential pressure indicator adds 1.65" to height. Differential pressure gauge adds 2.8" to height
- (3) for pressure below 22 psig, order with a GFDK 0050 for models GF 0070 to 1500. For pressures up to 300 psi use manual drain valve
- (4) all filters are supplied with an automatic float drain. When high liquid loads are anticipated we recommend installing a high capacity external condensate drain. Contact support@n-psi.com for available options
- (5) per ISO 8573.1:2010
- (6) technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182



GF 0006 (grade) to GF 1500 (grade)