

## water separators

### FEATURES

- eliminate corrosion, damage to tools and machinery downtime with efficient bulk water removal
- eliminate 99% of liquids in your compressed air or gas system improving your processes and reducing costly downtime
- 14 models with connections from 1/8" to 4" Flg and rated flows from 6 to 3000 scfm
- perfectly suited for variable speed compressors
- housing manufactured from die cast aluminum and polyester powder coated for optimum corrosion protection for the most demanding applications
- manufactured in an ISO 9001 approved facility and tested in accordance with ISO 12500-4
- applications include electronics, instrumentation, laboratories, automotive, robotics, oil and gas, paint applications and pneumatic conveying



#### unique vanes

engineered using the latest computational fluid dynamic software to optimize liquid removal efficiency



#### vortex arrester

ensures that the separated liquid cannot re-enter the air or gas stream greatly improving drainage



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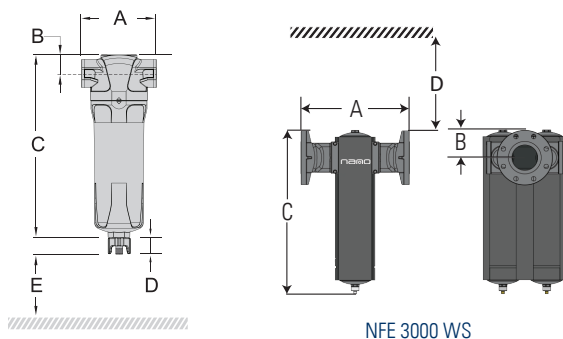
# SPECIFICATIONS

separator model	inlet & outlet		rated flow <sup>(1)</sup>		dimensions (inches)					approx. weight
	NPT/Flg	scfm	Nm <sup>3</sup> /h	A	B	C	D	E	lbs	
GF 0006 WS	1/8"	6	10	1.97	0.67	6.18	1.10	2.36	0.6	
GF 0015 WS	1/4"	15	25	1.97	0.67	6.18	1.10	2.36	0.6	
GF 0025 WS	1/4"	25	42	2.76	0.95	9.09	1.10	2.76	1.3	
GF 0035 WS	3/8"	35	60	2.76	0.95	9.09	1.10	2.76	1.3	
GF 0050 WS	1/2"	50	85	2.76	0.95	9.09	1.10	2.76	1.3	
GF 0070 WS	1/2"	70	119	5.00	1.26	9.09	1.18	3.15	3.7	
GF 0125 WS	3/4"	125	213	5.00	1.26	11.22	1.18	3.15	4.4	
GF 0175 WS	1"	175	298	5.00	1.26	11.22	1.18	3.15	4.4	
GF 0280 WS	1 1/4"	280	476	5.51	1.58	18.70	1.18	3.15	6.6	
GF 0325 WS	1 1/2"	325	553	5.51	1.58	18.70	1.18	3.15	6.6	
GF 0700 WS	2"	700	1190	6.69	2.09	20.00	1.18	3.94	12.1	
GF 0850 WS	2 1/2"	850	1445	8.66	2.76	16.26	1.18	3.94	23.1	
GF 1500 WS	3"	1500	2550	8.66	2.76	16.26	1.18	3.94	27.6	
NFE 3000 WS-ND	4" Flg	3000	5097	18.00	4.57	25.59	11.81	13.50	64.6	

specifications	0006 to 0050 WS	0070 to 1500 WS	NFE 3000 WS-ND
recommended operating temperature range	35 to 176°F	35 to 176°F	35 to 176°F
design operating temperature range	35 to 176°F	35 to 176°F	35 to 176°F
design operating pressure range	0 to 232 psig	22 to 232 psig <sup>(2)</sup>	22 to 232 psig
condensate drain (included) <sup>(3)</sup>	GFDK 0050	GFDK 1500	-

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) for pressures below 22 psig order with an GFDK 0050 condensate drain
- (3) models NF 0006 to 1500 WS 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
- (4) technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182



GF 0006 WS to GF 1500 WS

NFE 3000 WS