### 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
- 13 models with connections from 1/8" to 3" BSPP and rated flows from 10 to 2550 m<sup>3</sup>/h
- 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



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#### vortex arrester

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



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





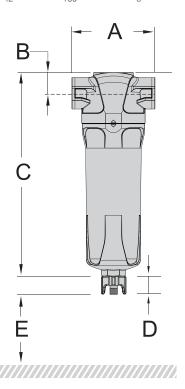
## technical specifications

separator model .	inlet & outlet	rated	flow <sup>(1)</sup>	dimensions (mm)					approx. weight
	BSPP	scfm	Nm³/h	А	В	С	D	Е	kg
GFNB 0006 WS	1/8"	6	10	50	17	157	28	60	0.2
GFNB 0015 WS	1/4"	15	25	50	17	157	28	60	0.2
GFNB 0025 WS	3/8"	25	42	70	24	231	28	70	0.6
GFNB 0035 WS	1/2"	35	60	70	24	231	28	70	0.6
GFNB 0050 WS	1/2"	50	85	70	24	231	28	70	0.6
GFNB 0070 WS	1/2"	70	119	127	32	285	42	80	1.7
GFNB 0125 WS	3/4"	125	213	127	32	371	42	80	1.7
GFNB 0175 WS	1"	175	298	127	32	371	42	80	1.7
GFNB 0280 WS	1 1/4"	280	476	140	40	475	42	80	3
GFNB 0325 WS	1 ½"	325	553	140	40	475	42	80	3
GFNB 0700 WS	2"	700	1190	170	53	708	42	100	4.9
GFNB 0850 WS	2 ½"	850	1445	220	70	736	42	100	8
GFNB 1500 WS	3"	1500	2550	220	70	1005	42	100	8

specifications	0006 to 0050 WS	0070 too 1500 WS
recommended operating temperature range	1.5 to 80°C	1.5 to 80°C
design operating temperature range	1.5 to 80°C	1.5 to 80°C
design operating pressure range	1.5 to 16 barg	1.5 to 16 barg
condensate drain (included) (3)	GFDK 0050	GFDK 1500

pressure correction factors									
operating pressure (barg)	4	5	6	7	8	10	12	214	16
correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51

<sup>(1)</sup> at 7 barg. For all other pressures, refer to the pressure correction factors above



<sup>(2)</sup> for pressures below 1.5 barg order with an GFDK 0050 condensate drain

<sup>(3)</sup> 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 sales@n-psi.co.uk for available options

 $<sup>(4) \</sup>quad \text{technical specifications subject to change without notice. Direct inquiries to sales@n-psi.co.uk} \\$