

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 m³/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



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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technical specifications

separator model	inlet & outlet	rated flow ⁽¹⁾		dimensions (mm)					approx. weight
		BSPP	scfm	Nm ³ /h	A	B	C	D	
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 1/2"	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 1/2"	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 to 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	14	16
correction factor	0.76	0.84	0.92	1.00	1.07	1.19	1.31	1.41	1.51

- (1) at 7 barg. For all other pressures, refer to the pressure correction factors above
- (2) for pressures below 1.5 barg order with an GFDK 0050 condensate drain
- (3) 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
- (4) technical specifications subject to change without notice. Direct inquiries to sales@n-psi.co.uk

