performance validated compressed air & gas filters

features

- advanced filter design to optimise flow capabilities, significantly reducing differential pressure and thus increasing energy efficiency
- utilises 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" BSPP and rated flows from 10 - 2,550 Nm³/h
- 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 the highest quality materials to provide optimum performance and improved efficiencies
- guaranteed safe housing closure with single start, fixed thread engagement
- lock indication arrows to prevent over tightening ensuring effective sealing
- externally accessible float drain supplied as standard

easy to use elements seal

Push fit elements provide perfect sealing within the filter housing; colour 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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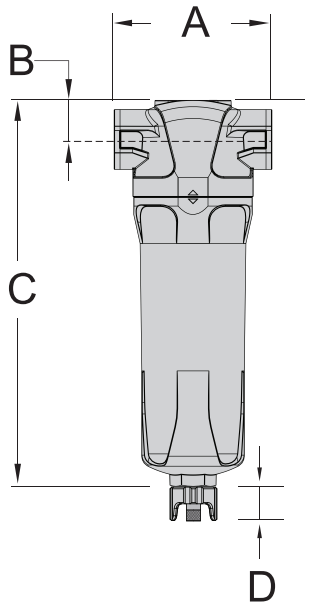
technical specifications

separator model	inlet & outlet	rated flow (1)		dimensions (mm)				approx. weight	element reference
	BSPP	scfm	Nm³/h	A	B	C	D	kg	part no.
GFNB 0006 (Grade)	1/8"	6	10	50	17	157	28	0.3	GEN 0015 (Grade)
GFNB 0015 (Grade)	¼"	15	25	50	17	157	28	0.3	GEN 0015 (Grade)
GFNB 0025 (Grade)	3/8"	25	42	70	24	231	28	0.6	GEN 0032 (Grade)
GFNB 0032 (Grade)	½"	32	54	70	24	231	28	0.6	GEN 0032 (Grade)
GFNB 0050 (Grade)	½"	50	85	70	24	231	28	0.6	GEN 0050 (Grade)
GFNB 0070 (Grade)	½"	70	119	127	32	285	42	1.7	GEN 0105 (Grade)
GFNB 0085 (Grade)	¾"	85	145	127	32	285	42	1.7	GEN 0105 (Grade)
GFNB 0105 (Grade)	1"	105	178	127	32	285	42	1.7	GEN 0105 (Grade)
GFNB 0125 (Grade)	1"	125	212	127	32	371	42	2.0	GEN 0175 (Grade)
GFNB 0175 (Grade)	1"	175	298	127	32	371	42	2.0	GEN 0175 (Grade)
GFNB 0280 (Grade)	1 ¼"	280	476	140	40	475	42	3.0	GEN 0325 (Grade)
GFNB 0325 (Grade)	1 ½"	325	553	140	40	475	42	3.0	GEN 0325 (Grade)
GFNB 0450 (Grade)	2"	450	765	170	53	508	42	4.9	GEN 0450 (Grade)
GFNB 0700 (Grade)	2"	700	1190	170	53	708	42	5.5	GEN 0700 (Grade)
GFNB 0850 (Grade)	2 ½"	850	1445	220	70	736	42	10.5	GEN 0900 (Grade)
GFNB 0900 (Grade)	3"	900	1530	220	70	736	42	10.5	GEN 0900 (Grade)
GFNB 1250 (Grade)	3"	1250	2125	220	70	857	42	11.5	GEN 1250 (Grade)
GFNB 1500 (Grade)	3"	1500	2550	220	70	1005	42	12.5	GEN 1500 (Grade)

specifications	0006 - 0015	0025 - 0050	0070 - 1500
design operating pressure range	0 -16 barg	0 to 16 barg	1.5 to 16 barg (2)
dp equipment	not included	indicator - GFDP 0050	gauge - GFDP 1500
condensate drain (included) (3)	GFDK 0050	GFDK 0050	GFDK 1500

specifications	M1	M01	AC	RM1
maximum particle size (ISO class) (4)	3	1	-	3
maximum oil content (ISO class) (4)	3	2	1	3
particle removal (microns)	1	0.01	-	1
max oil carry over at 20°C (ppm or mg/m³)	0.3	0.01	0.003	0.3
design operating temperature range (°C)	0 - 80°C	0 - 80°C	0 - 50°C	0 - 80°C

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 GFDP 0050 condensate drain

(3) M1, M01 come with automatic float drain AC & RM1 come with manual drains. Contact sales@nano-purification.com for available options

(4) per ISO 8573.1: 2010

(5) technical specifications subject to change without notice. Direct inquiries to sales@nano-purification.com