nano F1.1: Compressed Air & Gas Filtration

GFNB 0850 (grade)

1445 Nm³/h Compressed Air & Gas Filter

nano GFNB performance validated compressed air & gas filters are available in a complete range of element grades designed to meet and exceed industry air quality requirements. Filtration performance is tested and validated by an independent laboratory to ISO 12500 standards.

GENERAL CHARACTERISTICS	
Rated flow (Nm³/h) (1)	1445
OPERATING LIMITS	
Design operating pressure range (barg) (2)	1.5 to 16
Design operating temperature range (°C)	0 to 80
HOUSING CONSTRUCTION	
Materials	pressure die cast aluminium
Finish	E-Coat™ surface treatment (internal & external) powder paint (external)
ELEMENT CONSTRUCTION	
Media	borosilicate glass microfiber
End caps	glass filled nylon
Replacement element (part no.)	GE 0900 (grade)
COMPONENTS	
Automatic float drain	GFDK 1500
Differential pressure indicator / gauge	GFDP 1500
AIR CIRCUIT	
Inlet & outlet connections (BSPP)	2½"

(1) At 7 barg. For all other pressures, contact sales_uk@nano-purification.com.
(2) For pressure below 1.5 barg, order with a GFDK 0050 for models GFNB 0070 to 1500.

Features

HOUSING FEATURES

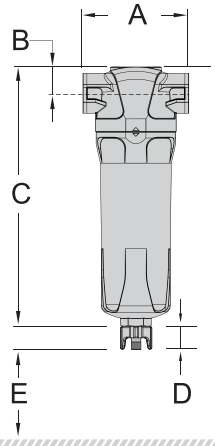
- Both housings and elements are manufactured using the highest quality materials to provide optimum performance and improved efficiencies.
- Guaranteed safe housing closure with single start, fixed thread engagement stop and lock indication arrows to prevent over tightening ensuring effective sealing.

ELEMENT FEATURES

- Tested and validated in accordance with ISO 12500-1 & ISO 8573.1:2010.
- Advanced filter design to optimise flow capabilites, significantly reducing differential pressure and thus increasing energy efficiency.
- Externally accessible float drain supplied as standard.
- Push fit elements perfect sealing within filter housing; colour coded end caps for quick and simple grade identification.

Dimensions & Weight

DIMENSIONS AND WEIGHT	
A (mm)	220
B (mm)	70
C (mm)	736
D (mm)	42
E (mm)	10.5
Weight (kg)	10.5



*DP gauge adds 71mm to height

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ELEMENT PERFORMANCE	M1	M01	AC[4]	RM1[5]
Maximum particle size (ISO class) [3]	3	1	-	3
Maximum oil content (ISO class) [3]	3	2	1	3
Particle removal (microns)	1.0	0.01	-	1.0
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 to 80	0 to 80	0 to 50	0 to 80

(3) Per ISO 8573.1:2001 (E).
(4) AC & RM1 come with manual drain, all other 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_uk@nano-purification.com for available options.
(5) RMI grade housing, replacement element is M1.

Accessories

CONNECTING KITS	FITS	PART NUMBER
Connecting kit (2 filters)	GFNB 0850	GFCK-2 1500
Connecting kit (3 filters)	GFNB 0850	GFCK-3 1500
Connecting kit (4 filters)	GFNB 0850	GFCK-4 1500

WALL MOUNTING KITS	FITS	PART NUMBER
Wall mounting kit	GFNB 0850	GFMK 1500

Technical specifications subject to change without notice.
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