



nano F¹: Compressed Air & Gas Filtration

GFN 0175 (grade)

175 scfm Compressed Air & Gas Filter

nano GFN 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 (scfm) ⁽¹⁾ | 175 |
| OPERATING LIMITS | |
| Design operating pressure range (psig) ⁽²⁾ | 22 to 232 |
| Design operating temperature range (°F) | 32 to 176 |
| HOUSING CONSTRUCTION | |
| Materials | pressure die cast aluminum |
| 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 0175 (grade) |
| COMPONENTS | |
| Automatic float drain | GFDK 1500 |
| Differential pressure indicator / gauge | GFDP 1500 |
| AIR CIRCUIT | |
| Inlet & outlet connections (NPT) | ¾" |

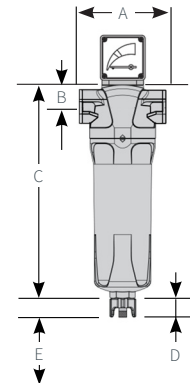
(1) At 100 psig. For all other pressures, contact support@nano-purification.com.
 (2) For pressure below 22 psig, order with a GFDK 0050 for models GF 0070 to 1500.
 For pressures up to 300 psi use manual drain valve.

Features

| HOUSING FEATURES | |
|---|---|
| <ul style="list-style-type: none"> Designed in accordance with ASME pressure vessel standards. Carries CRN (Canadian Registration Numbers) for approved use in every province of Canada. "Dead Stop" bowl feature provides full closure without over tightening. 10 year housing warranty | <ul style="list-style-type: none"> Optimized seal ensures zero leakage and ease of bowl removal during element replacement. No tie rod simplifies element change out and reduces access requirements for bowl removal. Comprehensive range of filter mounting accessories. |
| ELEMENT FEATURES | |
| <ul style="list-style-type: none"> Designed to exceed the ISO 8573-1 standards for compressed air purity and the ISO 12500 series international standard for compressed air filter testing. Filtration performance validated and tested in independent laboratories in accordance with international standards. | <ul style="list-style-type: none"> Stainless steel cylinders provide strength, rigidity and corrosion resistance. Pleated filter media provides low differential pressure. |

Dimensions & Weight

| DIMENSIONS AND WEIGHT | |
|-----------------------|-------|
| A (ins) | 5.00 |
| B (ins) | 1.26 |
| C (ins) | 14.61 |
| D (ins) | 1.18 |
| E (ins) | 19 |
| Weight (lbs) | 4.4 |



*DP gauge adds 2.8" to height

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| ELEMENT GRADES | M1 | M01 | AC |
|--|-----------|-----------|-----------|
| Maximum particle size (ISO class) ⁽³⁾ | 3 | 1 | - |
| Maximum oil content (ISO class) ⁽³⁾ | 3 | 2 | 1 |
| Particle removal (microns) | 1 | 0.01 | - |
| Max oil carry over at 68°F (ppm or mg/m ³) | 0.3 | 0.01 | 0.003 |
| Design operating temperature range (°F) | 32 to 176 | 32 to 176 | 32 to 122 |

(3) Per ISO 8573.0:2001 (E).

Accessories

| CONNECTING KITS | FITS | PART NUMBER |
|----------------------------|----------|-------------|
| Connecting kit (2 filters) | GFN 0175 | GFCK-2 0175 |
| Connecting kit (3 filters) | GFN 0175 | GFCK-3 0175 |
| Connecting kit (4 filters) | GFN 0175 | GFCK-4 0175 |

| WALL MOUNTING KITS | FITS | PART NUMBER |
|--------------------|----------|-------------|
| Wall mounting kit | GFN 0175 | GFMK 0175 |



Technical specifications subject to change without notice.
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