



*Industrial Filtration*

## Nowata Filter Cartridges

### NFG Series, Forward Flow, Filter-Separator Elements

Particulate and Mist Removal for Dry & Wet Gas Filter Applications  
Especially Suited for Natural Gas Applications

#### 1. Features

The Nowata NFG Series, forward flow, vapor phase, filter-separator cartridge elements are designed to filter fine dirt particles and coalesce liquids from natural gas without excessive pressure differential build-up in "outside-in" flow applications. The Nowata NFG Series filter cartridges are especially suited for use in the Nowata GW Series Gas Filter Housings. (These filter cartridges are not designed for compatibility with amine.)

The nominally rated Nowata NFG Series cartridge filter elements have the following characteristics:

#### Features

- The molded fiberglass tube is constructed of glass fibers and bonded with inert phenolic binders.
- The spiral locked core gives added protection against collapse at high differential pressures.
- Metal end caps are mechanically attached to the center core to protect the ends of the fiber-glass media. A special sealant material is used to bond the media, core and end cap to prevent channeling and by-pass.
- Buna-N gaskets are adhered to the metal end caps with a heat cured urethane adhesive. The adhesive is resistant to most hydrocarbon liquids.



## 2. Specifications for Nowata NFG Series Gas Filter Cartridges

Micron Ratings Available .....	0.5 & 1.0 Micron
Recommended Change-Out Differential Pressure .....	15 PSI
Maximum Operating Temperature .....	275°F (135°C)
Minimum Operating Temperature .....	-20°F (-29°C)
Center Core .....	Carbon Steel
Outer Core .....	Carbon Steel
End Caps .....	Carbon Steel
Gaskets .....	Buna N
Gasket Adhesive .....	Urethane
Filter Media .....	Fiberglass
Outer Sock .....	Cotton
Flow .....	Outside - In
Efficiency .....	1 Micron Nominal

### NFG Series Cartridges 3-1/2 inch O.D. and 2 inch I.D.:

Cartridge Model Number <b>NFG12</b> .....	12 Inches Long, 1 Micron
Cartridge Model Number <b>NFG24</b> .....	24 Inches Long, 1 Micron
Cartridge Model Number <b>NFG36</b> .....	36 Inches Long, 1 Micron
Cartridge Model Number <b>NFG12UF</b> .....	12 Inches Long, 0.5 Micron
Cartridge Model Number <b>NFG24UF</b> .....	24 Inches Long, 0.5 Micron
Cartridge Model Number <b>NFG36UF</b> .....	36 Inches Long, 0.5 Micron
Cartridge Length Availability .....	12, 24, 36 Inches
Outside Diameter .....	3-1/2 Inches
Inside Diameter .....	2 Inches

### NFG Series Cartridges 4-1/2 inch O.D. and 3 inch I.D.:

Cartridge Model Number <b>NFG312</b> .....	12 Inches Long, 1 Micron
Cartridge Model Number <b>NFG324</b> .....	24 Inches Long, 1 Micron
Cartridge Model Number <b>NFG336</b> .....	36 Inches Long, 1 Micron
Cartridge Model Number <b>NFG372</b> .....	72 Inches Long, 1 Micron
Cartridge Model Number <b>NFG312UF</b> .....	12 Inches Long, 0.5 Micron
Cartridge Model Number <b>NFG324UF</b> .....	24 Inches Long, 0.5 Micron
Cartridge Model Number <b>NFG336UF</b> .....	36 Inches Long, 0.5 Micron
Cartridge Model Number <b>NFG372UF</b> .....	72 Inches Long, 0.5 Micron
Available Cartridge Lengths .....	12, 24, 36, 72 Inches
Outside Diameter .....	4-1/2 Inches
Inside Diameter .....	3 Inches