

# GasPro™ SF/NF

Ultra High Purity All 316L  
In-Line Filter



GasPro™ SF/NF range of ultra-high purity 316L stainless steel fiber In-Line filters utilize the same proven, reliable high performance filter media as provided in our TEM-1700 series used throughout the microelectronics and semiconductor industries. The GP SF/NF is housed in our GasPro™ Ultra bodies resulting in improved performance capabilities, production efficiency and reduced weld points.

## Specifications

- **Filtration rating**  
Efficient 3 nm particle retention.
- **Maximum operating temperature**  
200°C (392°F) in inert gas.
- **Maximum operating pressure**  
206.8 bar (3,000 psig) at 20°C (68°F).

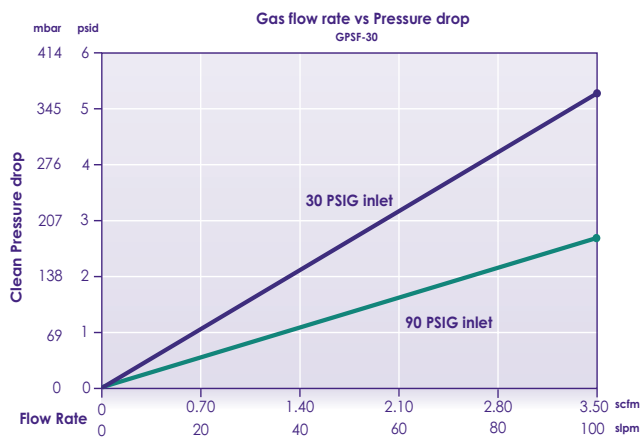
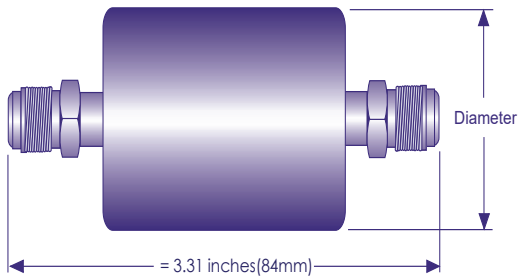
## Typical Applications

- UHP gas sticks for semiconductor, LED, Photovoltaic.
- UHP filtration in valve manifold boxes, gas cabinet.
- UHP particle removal.

## Features and Benefits

- **Construction**  
316L or Nickel sintered fibre media and 316L stainless steel housing.
- **Electro-polished housing**  
The filter assemblies have a 10Ra electro-polished 316L stainless steel housing to prevent corrosion and particle build-up on interior surfaces.
- **Out of package cleanliness**  
Our GasPro™ SF/NF filters are cleaned and packaged in a cleanroom with organic free handling for out-of-package, particle free, and chemical free cleanliness. Final assembly is purged with filtered nitrogen for initial cleanliness. Additional preconditioning is optional.
- **100% helium leak tested**  
All units tested to 1x10<sup>-9</sup> atm cc/second.

## Specifications



Product Code: 1 - 2 - 3 - 4 - 5

1: Series		2: Media		3: Nominal Flow Rate (slpm)		4: End Connection		5: Connection Size	
GP	GasPro™	SF	Stainless Fiber	03	30	FS	Male Face Seal	4	1/4"
		NF	Nickel Fiber	100	100	BW	Butt Weld	8	1/2"
				200	200				

## Flow Rate vs Diameter

Flow Rate	Diameter
030	1"
100	1.5"
200	2"

## Example part configuration:

Part No.	Specifications
GP-SF-030-FS-4	30 slpm, 1/4" male thread face seal fitting, Stainless fiber filter media

PFG940/Rev2/May26