

# Hybrid Filter Series

## PGH Series

Metal Filter with gasket to protect the component of gas piping system

### About hybrid filter

It becomes hybrid by using the inline gas filter with the high accuracy gasket type gas filters (inlet and outlet).

This hybrid filter helps to extend the life time of the inline gas filter and the mass flow controller(MFC) ,and prevents the seal damage of a metal seal valve caused the leakage by removing the rough particle such as more than 0.3 micro meter or 1 micro meter.



### Characteristics

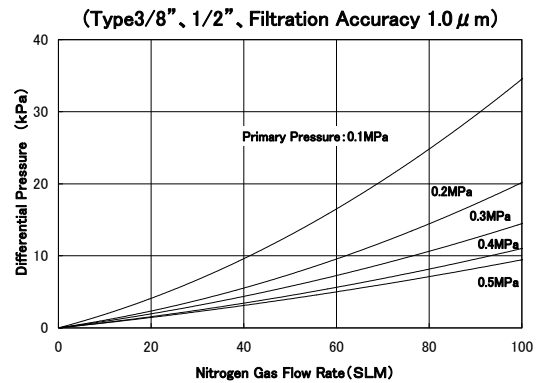
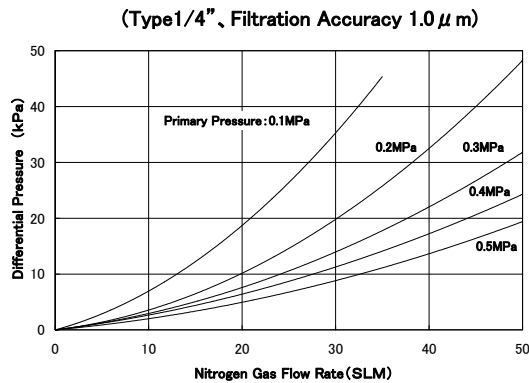
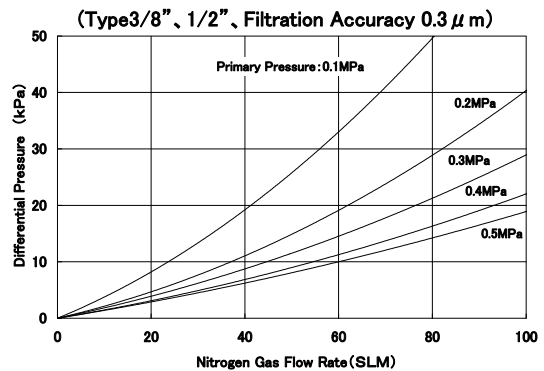
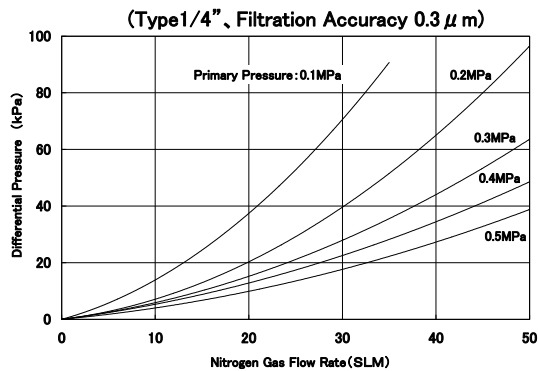
1. The filter media is made of 316L stainless steel.
2. The gasket is made of 316L stainless steel or Nickel.
3. It can handle the hybrid filter as a face seal, so it is no need extra work (cutting/welding for line gas filter installing).



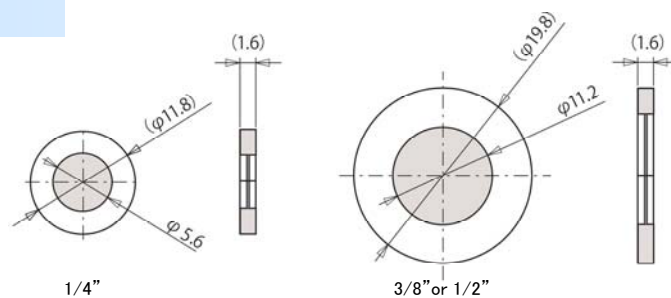
### Specifications

Filtration Accuracy	$\geq 0.3 \mu\text{m} / \geq 1 \mu\text{m}$
Materials	Gasket: 316L stainless steel or Nickel
	Filter: 316L stainless steel
Max. Operating Pressure	0.98MPa
Joint	1/4"、3/8"(1/2" common) support any face seal type

# Flow Rate Characteristics



## Dimensions



### Bore Diameter Type 1/4"

Model	Without Retainer	PGH-S03S	PGH-N03S	PGH-S1S	PGH-N1S
	With Retainer	PGH-S03ST	PGH-N03ST	PGH-S1ST	PGH-N1ST
Filtration Accuracy	0.3 μm			1.0 μm	
Max. Operating Pressure	0.98 MPa				
Filter Materials	SUS316L				
Gasket Materials	SUS316L	Nickel	SUS316L	Nickel	

※Retainer material is made of 316L stainless steel.

### Bore Diameter Type 3/8" or 1/2" (common)

Model	Without Retainer	PGH-S03L	PGH-N03L	PGH-S1L	PGH-N1L
	With Retainer	PGH-S03LT	PGH-N03LT	PGH-S1LT	PGH-N1LT
Filtration Accuracy	0.3 μm			1.0 μm	
Max. Operating Pressure	0.98 MPa				
Filter Materials	SUS316L				
Gasket Materials	SUS316L	Nickel	SUS316L	Nickel	

※Retainer material is made of 316L stainless steel.

Specification is subject to change without notice.



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