Yamataha Gas Filter

Filters for gas internal piping, DIN 3386 compliant with high dust collection capacity.
GF-4B/R : threaded connections according to ISO7/1 standard and GF-4B/F: flange connections as per DIN EN 1092-1 standard.

Introduction : As a manufacturer, we specialize in producing high-quality Air LPG Natural Gas Filters for international customers. Our products are manufactured using premium quality raw materials and advanced technology, making them highly durable and resistant to corrosion, wear and tear, and other forms of degradation.

Our Air LPG Natural Gas Filters are designed to be incorporated into gas systems for homes, offices, and industrial settings. They are capable of removing impurities and contaminants from the gas supply, ensuring that it is clean and safe for use. In this product introduction, we will detail the features and benefits of our Air LPG Natural Gas Filters, and explain why they are an ideal solution for international merchants seeking a reliable and efficient gas filtration operation.

Features : Our Air LPG Natural Gas Filters utilize advanced filtration technology to remove contaminants and impurities from natural gas or liquefied petroleum gas (LPG) systems. The filtering process occurs as the gas flows through the filter media, which consists of multiple layers of filter material designed to capture and retain unwanted particles. Our filters are engineered to provide optimal filtration performance, removing contaminants as small as 2 microns, ensuring that the gas supply is clean and free of harmful particles.

Our filters are also easy to install and maintain, with a simple design that requires no special tools or equipment. They provide a reliable and efficient gas filtration operation, and can be used in a wide range of applications, including natural gas supplies for homes, factories, and vehicles, among others.

Benefits : Some of the key benefits of our Air LPG Natural Gas Filters include

1. Improved Safety: Our filters are designed to remove impurities and contaminants from the gas supply, ensuring that it is safe for use. By removing harmful particles such as dust, dirt, and other impurities, our filters help to prevent gas explosions and other safety hazards.

2. Enhanced Performance: Our filters are engineered to provide optimal filtration performance, removing particles as small as 2 microns. This ensures that the gas supply is clean and free of impurities, resulting in improved performance of gas appliances and more efficient operation of gas systems.

3. Reduced Maintenance Costs: Our filters are easy to install and maintain, requiring no special tools or equipment. This makes them an ideal solution for international merchants seeking a low-maintenance and cost-effective gas filtration solution.

4. Long-Lasting Durability: Our filters are manufactured using premium quality raw materials and advanced technology, making them highly durable and resistant to corrosion, wear and tear, and other forms of degradation. This ensures a long-lasting and reliable gas filtration operation.

Conclusion : In conclusion, our Air LPG Natural Gas Filters are an ideal solution for international merchants seeking a reliable and efficient gas filtration operation. Our filters are easy to install and maintain, provide optimal filtration performance, and are highly durable and resistant to wear and tear. With our Air LPG Natural Gas Filters, you can ensure that your gas supply is clean and safe for use, resulting in improved performance and reduced maintenance costs

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Product model GF-4B-R

Technical Description

Filters for gas internal piping, DIN 3386 compliant with high dust collection capacity.
GF-4B-R : threaded connections according to ISO7/1 standard and GF-4B-R
-Maximum flow rate: 20 m / s.
-The pressure measuring connector for monitoring the filter can be installed.
Apply : Model is GF-4B-R, for protection Gas and air filters for subsequent valves. Filters for Class 1,2 and 3 gas and other neutral gaseous media.

Rate dpipe diameter Thread	DN 15 Rp 1/2	DN 20 Rp 3/4	DN 25 Rp 1	DN 32 Rp 1 1/4	DN 40 Rp1 1/2	DN 50 Rp 2
	According to the ISO 7/1 standard					
Maximum working pressure	4,0 bar(400kPa)					
Maximum flow rate	≤ 20 m / s					
Ambient temperature	-15 °C ~ +80 °C					
Air hole diameter of filter element	≤ 50 μm					
Measure the joint	GF-4B-R :Lock screw G1/4					
Material	Housing Aluminum castings Seals NBR Non-woven fabric PP,PE Filter bracket POM					
Installation location	At any location, the top cover should be installed vertically, preferably					

Function : Filters can be installed in gas internal and compressed air piping to protect subsequent valves.

The filter element is composed of polypropylene non-woven fabric with a bore diameter of ≤ 50 μm.
Dust, debris, rust and other solid companions and contaminants in the gas can be trapped by a non-woven cloth.
When the dust collection capacity is exceeded or the pressure difference is too large, the filter loses its protection function
Install : It Note the direction of the air flow identified by the arrow on the filter housing.

Consider the space required to replace the filter element.
A vertically mounted filter cover facilitates the cleaning of the filter housing.
Air tightness shall be checked after the installation.

⚠NOTE! Not between hardened brick walls, concrete walls, floors, and filters
Have direct contact.
Replace the filter element
- Replace it at least once a year
- When the differential pressure is 100% higher than the new filter element
- When the pressure difference reaches a maximum of 50 mbar

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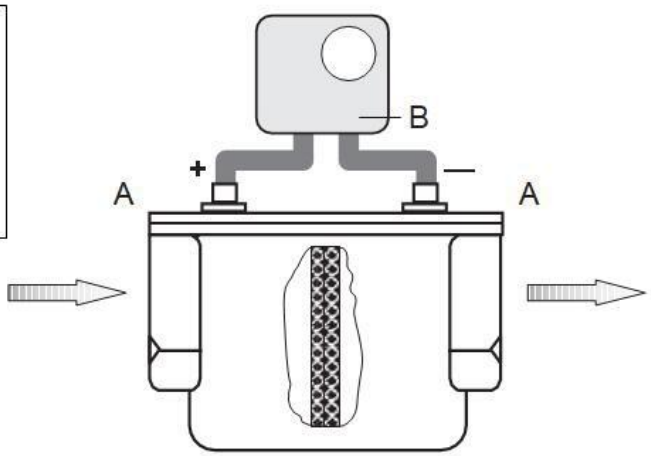
Filter monitor device

The measuring connector G1/4 can be replaced with a suitable threaded connector so that a gas differential pressure monitor can be connected to monitor the pressure difference.

Schematic diagram of gas filter with differential pressure switch

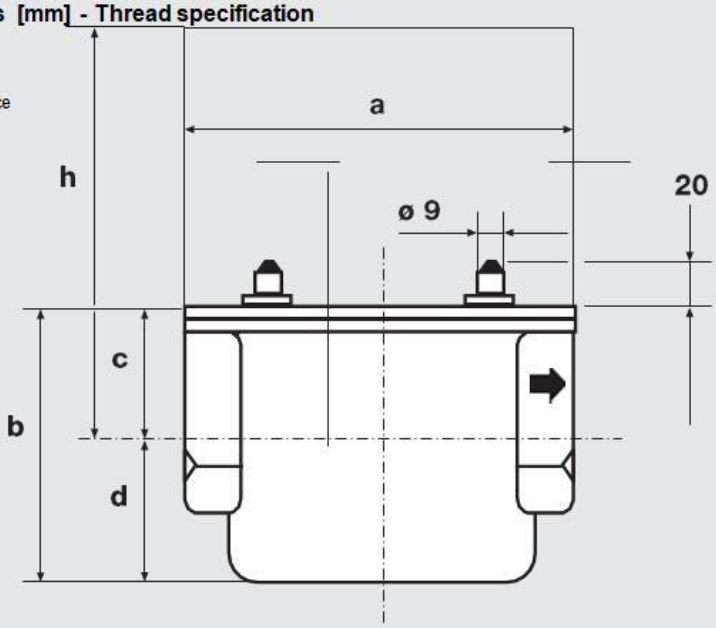
A Measure joint G 1/4

B The differential pressure monitor is suitable for class B gas



Installation dimensions [mm] - Thread specification

h Space required to replace the filter element



Type	pmax. [bar]	Rp	Measuring connection	Installation dimensions				
				a	b	c	d	h
GF-4B15R	4	Rp 1/2	VS/MS	120	90	35	55	125
GF-4B20R	4	Rp 3/4	VS/MS	120	90	35	55	125
GF-4B25R	4	Rp 1	VS/MS	160	105	54	51	159
GF-4B40R	4	Rp 1 1/2	VS/MS	160	105	54	51	159
GF-4B50R	4	Rp 2	VS/MS	186	140	75	65	215
MS=Measure the joint VS=Tighten the screws								

Product model GF-6B/F

Technical Description

Filters for gas internal piping, DIN 3386 compliant with high dust collection capacity.
GF-6B/F: threaded connections according to ISO7/1 standard and GF-6B/F: flange connections as per DIN EN 1092-1 standard.
-Maximum flow rate: 20 m / s.
-The pressure measuring connector for monitoring the filter can be installed.
Apply : Model is GF-6B/F , for protection Gas and air filters for subsequent valves. Filters for Class 1,2 and 3 gas and other neutral gaseous media.

Nominal pipe diameter	**DN65 DN80 DN100 DN125 Flange connections according to DIN EN1092-1**
Maximum working pressure	**6,0 bar(600kPa)**
Maximum flow rate	**≤ 20 m / s**
Ambient temperature	**-15 °C ~ +80 °C**
Air hole diameter of filter element	**≤ 50m**
Measure the joint	**Lock screw G1/4**
Material	**Housing Aluminum castings** **Seals NBR** **Non-woven fabric PP,PE** **Filter bracket POM**
Installation location	**At any location, the top cover should be installed vertically, preferably**

Function : Filters can be installed in gas internal and compressed air piping to protect subsequent valves.

The filter element is composed of polypropylene non-woven fabric with a bore diameter of ≤ 50 μm.
Dust, debris, rust and other solid companions and contaminants in the gas can be trapped by a non-woven cloth.
When the dust collection capacity is exceeded or the pressure difference is too large, the filter loses its protection function.
Install : Ot Note the direction of the air flow identified by the arrow on the filter housing.

Consider the space required to replace the filter element.
A vertically mounted filter cover facilitates the cleaning of the filter housing.
Air tightness shall be checked after the installation.

 NOTE! Not between hardened brick walls, concrete walls, floors, and filters
Have direct contact.
Replace the filter element
- Replace it at least once a year
- When the differential pressure is 100% higher than the new filter element
- When the pressure difference reaches a maximum of 50 mbar

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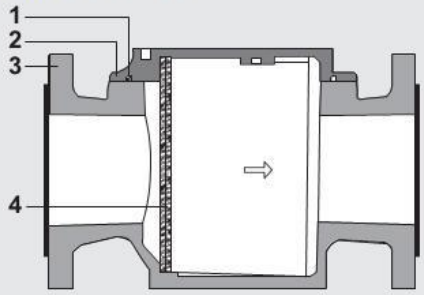
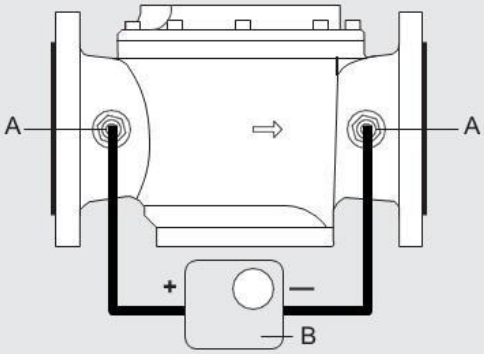
Filter monitor device

The measuring connector G1/4 can be replaced with a suitable threaded connector so that a gasdifferential pressure monitor can be connected to monitor the pressure difference.

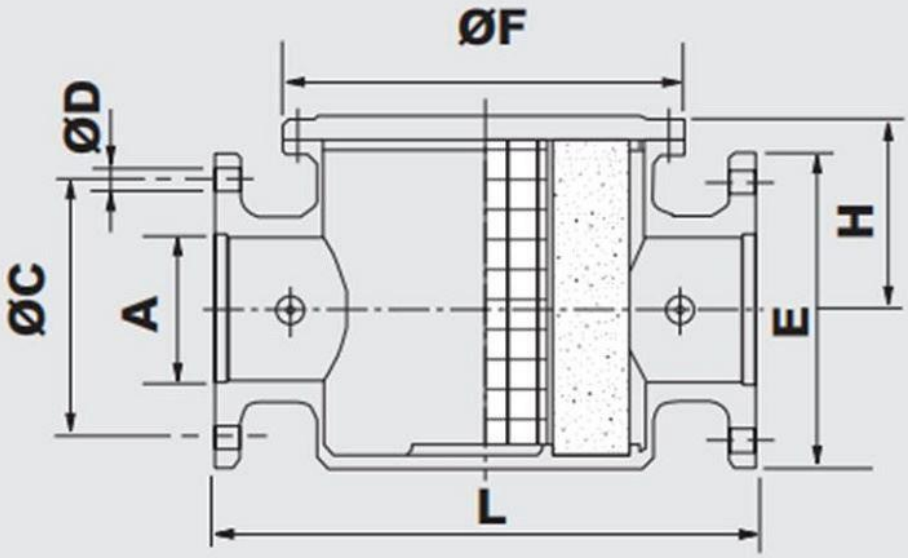
1. Sealing ring
2. On the cover
3. Housing
4. The filter element



A. Measure the joint
B. Gas differential pressure monitor



H:Space required to replace the filter element



Type	pmax. [bar]	DN(A)	Installation dimensions[mm]					
			C	D	E	F	H	L
GF- 6B065/F	6	DN65	145	18	185	230	104	320
GF- 6B080/F	6	DN80	160	18	200	230	104	320
GF- 6B0100/F	6	DN100	180	18	220	280	126	380
GF- 6B0125/F	6	DN125	210	18	250	280	145	380

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