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Технические характеристики

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BOLLFILTER Simplex Type BFB-P HD M

Particle gas filter for Heavy Duty operation

BOLLFILTER Simplex Type BFB-P HD M design

The simplex filter Type BFB-P HD M is a particle gas filter specifically designed for heavy-duty operations. It is engineered to provide robust filtration performance in challenging environments. The gas filter Type BFB-P HD M is capable of capturing a larger volume of particulate contaminants, ensuring effective filtration and protection of downstream equipment. It is built to withstand harsh operating conditions, including high pressures, temperature fluctuations, and abrasive particles.

It is constructed from high-quality materials and features a rugged construction to ensure long-term reliability and performance. Due to the high design variance possibilities and an abundance of optional accessories, this product can be adapted to almost all applications in the area of oil and gas, petrochemical, power generation, and chemical processing.



Flange Connection

ASME or DIN
3/4" - 8" / DN 20 - DN 200

Connections inline

No

Filter element

- Fibreglass/stainless steel disposable cartridge

Grade of filtration

0,1 - 250 µm

Pressure stage

< 500 bar (size and temperature dependent)

Filter housing

- Carbon steel (St 45-8 / A106B)
- Stainless steel (1.4404 / 316L)
- Non-welde

Temperature range

-50 / 300°C

General Accessories and Special Equipment

1.) Connecting elements:

Flexible connection possibilities.

E.g., flanged, NPT, weld-on ends, ball valves, needle valves.

2.) Instruments:

Differential pressure connections such as optical and optical/electrical differential pressure measurement systems.

3.) Materials:

Filters available on request in Duplex or Super Duplex.

4.) Optional equipment:

Cover lifting/pivoting mechanism

Cover safety device

Special accessories for gas filtering

- Pre-separator for liquid reduction / cyclone and cyclone demister
- In addition to standard, filters also available in Duplex and Superduplex (on request)
- Liquid level switch
- Magnetic level indicator
- Bulls Eye
- Adaptable fluid reservoir for saving the separated fluid



BOLLFILTER Simplex Type BFB-C HD M

Coalescer gas filter for Heavy Duty operation

Simplex coalescer gas filter for generators and turbines

The BOLLFILTER Simplex BFB-C HD M is used as a gas filter and coalescence separator in chemical and petrochemical plants, in the offshore industry, and in the power plant sector. This filter is primarily used for filtering fuel gas and seal gas. In cases of heavy contamination, the filter is combined with a pre-separator, e.g. a cyclone or cyclone demister, to separate off solids and liquids. A rapidly rotating flow of gas is required in order to separate out small and lightweight particles. Therefore, the cyclone is designed under actual operating conditions in order to achieve the most efficient separation possible.



Features

The simplex filter for separating solids and aerosols (humidity) from gases. Gases saturated with dirt and humidity are separated by the multi-layered coalescer element (see figure).

Flange Connection

ASME or DIN
¾" - 8" / DN 20 - DN 200

Filter element

- Fiberglass/stainless steel disposable cartridge
- Option available for preliminary separation using demister, cyclone, or
- Cyclone demister all within the same housing

Grade of filtration

0,1 - 250 µm

Pressure stage

>500 bar (size and temperature dependent)

Filter housing

- Carbon steel (St 45-8 / A106B)
- Stainless steel (1.4404 / 316L)
- Non-welded

General Accessories and Special Equipment

- 1.) Connecting elements:
Flexible connection possibilities.
E.g., flanged, NPT, weld-on ends, ball valves, needle valves.
- 2.) Instruments:
Differential pressure connections such as optical and optical/electrical differential pressure measurement systems.
- 3.) Materials:
Filters available on request in Duplex or Super Duplex.
- 4.) Optional equipment:
Cover lifting/pivoting mechanism
Cover safety device

Special accessories for gas filtering

- Pre-separator for liquid reduction / cyclone and cyclone demister
- In addition to standard, filters also available in Duplex and Superduplex (on request)
- Liquid level switch
- Magnetic level indicator
- Bulls Eye
- Adaptable fluid reservoir for saving the separated fluid



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