

Дуплексные фильтры типа BFD

Технические характеристики

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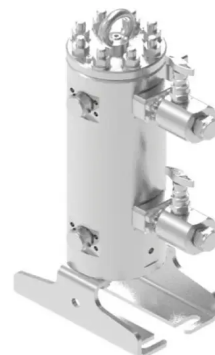


BOLLFILTER Duplex Type BFD-C HD M

Coalescer gas filter for Heavy Duty

Duplex coalescer gas filter for generators and turbines

The high-performance duplex filter BOLLFILTER Duplex Type BFD-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

Duplex filter for separating solids and aerosols (liquid content) from gases

Flange Connection

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

Filter element

Fiberglass/stainless steel disposable cartridges (as normal temperature and high/low temperature design); Option available for preliminary separation using demister, cyclone, or cyclone demister all within the same housing.

Grade of filtration

0,1 - 250 µm

Operating pressure

> 500 bar (size and temperature dependent)

Filter housing

- carbon steel (St 45-8 / A106B)
- stainless steel (1.4404 / 316L)
- non-welde

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



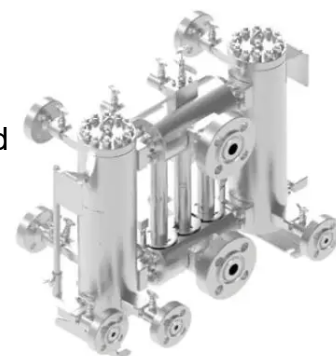
BOLLFILTER Duplex Type BFD-C/ P DBB M

Coalescer and particle gas filter with Double Block and Bleed

Using and operating the BOLLFILTER duplex filter type BFD-C/P DBB M

The BOLLFILTER duplex filter type BFD-C/P DBB M consists of two filter chambers. One filter chamber is in operation while the other is being cleaned or on stand-by.

If contamination exceeds a tolerance threshold, the unit can switch over to the clean filter side - by means of the Double Block and Bleed method - without any pulse pressure. The contaminated filter element is then cleaned while operation continues.



Features

A special design duplex filter for separating solids and/or aerosols (liquid content) from gases using a patented double block and bleed main transfer valve.

This is intended for applications using high pressures and/or dangerous gas compositions, to ensure maximum operator safety.

Flange Connection

ASME or DIN

$\frac{3}{4}$ " – 8" or 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 μ m - 250 μ m

Operating pressure

>500 bar (size and temperature dependent)

Filter housing

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

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



BOLLFILTER Duplex Type BFD-P HD M

Particle gas filter for Heavy Duty

Duplex filter solution for gas filtration

The BOLLFILTER Duplex type BFD-P HD M is an outstanding particulate gas filter that has been specially developed for use in heavy-duty applications. This filter offers an excellent solution for the effective removal of solids/dirt particles from gases generated in demanding industrial processes. Whether it's dust particles, dirt or other contaminants, the BOLLFILTER Duplex type BFD-P HD M will keep your system clean and running smoothly.

Thanks to its robust design and high-quality materials, this filter is extremely durable and resistant to the stresses of daily operation. It can be used even under extreme conditions while maintaining its high efficiency. It can be used in various industries such as petrochemical, power generation, pulp and paper production and many others. With its impressive performance, it is the ideal solution for demanding applications.



Flange Connection

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

Filter element

Fiberglass/stainless steel disposable cartridges.
Cleanable elements (star-pleated) made of stainless steel.

Grade of filtration

0,5 - 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

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.



BOLLFILTER Duplex Type BFD

Cast filter with ball changeover valve

BOLLFILTER Duplex type BFD: the versatile cast filter with ball valve changeover

The BOLLFILTER Duplex type BFD is a high-quality cast filter that is equipped with a ball valve switch. This allows the user to easily switch the filter during operation and thus ensure uninterrupted filtration.

Thanks to its robust cast construction, the BOLLFILTER Duplex type BFD offers high resistance to pressure and temperature fluctuations as well as chemical influences. This makes it ideal for demanding applications in various sectors such as the chemical, oil and gas industries.



The integrated ball valve switchover makes this filter extremely user-friendly to operate. By simply turning the lever, it is possible to switch back and forth between the two filter housings without having to shut off the medium or change the direction of flow. This function not only saves time during maintenance work, but also ensures that no unwanted contaminants enter the system.

In addition, the BOLLFILTER Duplex type BFD has large sieve surfaces inside the housing, which enables efficient filtration of solid particles of different sizes. The fine mesh sizes guarantee maximum purity of the filtered medium. Fully API 614 compliant, this filter maintains a proper balance of cost and performance. The compact size and ease of operation make this an ideal choice for most oil applications.

Flange Connection

DN 25 to DN 150

Switch-over

Ball valve

Filter element

Star pleated element
Basket element
Filter cartridges
Disposable filter cartridges

Grade of filtration

0.5 μ m to 5 mm

Pressure stage

PN10 / PN16
(Higher pressures on request)

Filter housing

Spheroidal graphite cast iron
Cast steel
Stainless steel casting

Optional equipment

Differential pressure indicator
Version: optical or optical/electrical
Nickel-plated housing
Stainless steel changeover ball
Cover lifting and swivel device for DN125/ DN150
Lid lock

Medium

Water
Oil
Fuel
Chemical liquids

Design code

AD2000
ASME
EN13445
API 614-compliant



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