



Deltech® Compressed air filters

Compressed air is a common source of energy and power. It is safe, flexible and readily available. However, water and water vapour, dirt, oil and exhaust fumes can easily enter the airstream and cause serious problems, which will lead to unnecessary expense and downtime. Filtration of the compressed air offers the end user increased efficiency and better economical use.

Your best choice: A filter from Flair! Under the brand name Deltech®, Flair designs and produces a complete range of filters for compressed air.

New compressed air filters

Deltech® series PF-HF-CF-DF-GF

With this filter line, Flair offers a range of particle and oil free filters, designed and manufactured to the latest technology and quality standards. These filters meet the filtration standards as specified in the ISO DP8573/1, classes 1 to 5 and are suitable throughout the entire range of compressed air applications.

They have a wide variety of features that take a leading role in filtration technology: Fully corrosion protected aluminium housings and the specially selected filter media offers protection against all common pollution in compressed air systems.

Unique filter elements ensure an economic combination of element life and pressure loss, until full saturation. The pleated filter material provides large filtration surface and therefore reliable performance. A specially designed rotating pressure drop indicator clearly indicates the saturation degree of the filter element.

The “Snap-Up” feature offers element security during element change-out. Every filter housing is equipped with a drain valve and depressurising valve as a standard.



Deltech® Filter CF54, PF54 and HF90, a selection of the complete filter line.

- “Snap-Up” feature
- Assembly set for filter combinations
- Allows combination of any filter type
- No reducing nipples or couplings needed
- Pleated filter elements offer high surface area



Delair® Euro-Dry adsorption dryers with Deltech® compressed air filters.



A selection of Deltech® filter elements PF-HF-CF-DF-GF and three cross sections of elements on which the pleated filter material is visible.

Filter	Filtration degree	Application	Capacity
PF	1 μ	Particle filter	30-33.750 m ³ /h
HF	0.01 μ	High efficiency coalescing filter	30-33.750 m ³ /h
GF	10 μ	Coarse filter	30-33.750 m ³ /h
DF	1 μ	Fine dust filter (dry applications)	30-33.750 m ³ /h
CF	remove oil vapour and odour	Active carbon filter	30-33.750 m ³ /h

Colour change filters

Deltech® 100 series filter

Deltech® 100 series filters combine 4 different principles of filtration in one filter housing:

Centrifugal, particle, coalescing and adsorption filtration.

This unique concept results in the lowest possible pressure drop at maximum filtration performance throughout the life time of the filter element. Saturation of the element is indicated by the colour change feature. The filter element changes from white to red, while adsorbing oil from the compressed air stream.

The operator is informed clearly at any time, about the saturation degree of the filter. 100 Series filters are used in combination with refrigeration dryers or as point of use filters.

The “alarming” effect of the colour change feature makes the filter extremely suitable for safeguard functions on expensive machinery. It allows for predictable maintenance: ordering a new element in time and reducing your element stock, is easy.



Deltech® 100-series with KC and K elements.

100 Series:

- Predictable maintenance
- Operator informed clearly at all times
- Extremely suitable for safeguard functions
- Performs without pre-filter

KC series activated carbon:

- Predictable maintenance
- 25 times more activated carbon; efficient and economical

Deltech® 100 KC series filter activated carbon adsorbers

The K and KC filter elements incorporate up to 25 times more activated carbon than competitive filter elements, resulting in higher efficiency, and a longer and more economic element life.

KC series filters offer a unique colour change feature, indicating the saturation degree of the activated carbon. An indicator changing from pink to brown, informs the user of the element life.

This feature avoids unnecessary element change (therefore saving

money) and eliminates the risk of quality loss due to overdue element change-out.

After adsorption of hydrocarbon vapours, odour and taste from the compressed air, the air can be used for special applications like: Production of electronic components, food, medical and pharmaceutical applications, and other applications requiring totally oil free air.

Deltech® series 115

Deltech® 115 filters offer the highest security in compressed air for delicate compressed air equipment used in, for instance, dental surgery and the graphic industry. 115 Series filter can always be applied, independent of the quality of the input air.

Several filter mechanisms are used in the attractive filter housing: centrifugal filtration of fluid contaminations (water and oil), fine dust particle filter (dust particles down to 0,5 micron) and oil vapour adsorption.

A special granulated carbon is used for the adsorption of the oil and aerosols, that change colour from white to dark red when the filter element is saturated.

Therefore, the user is continuously informed about the saturation degree of the element.



Deltech® colour change 115 series filter with different elements.

Two-in-one filters

Deltech® 810 series

The 810 series filter is a combined particle filter and oil free filter in one housing. A unique concept removes 99% of the incoming contaminations by centrifugal pre-filtration, without loading the filter element. The two-in-one concept eliminates the need for a separate particle filter, thus offering many advantages for the compressed air user.

Two-in-one filters offer: Oil free filtration, no need for particle filter, reduced installation and service costs, pressure drop reduced to less than half of the standard filter housings.



Deltech® 810 filter line.

- Two-in-one filter
- Only one filter needed instead of two
- Lowest possible pressure drop

Filters

020 and 100 and KC Series predictive maintenance	3,5 - 1300 m ³ /h
115 Series predictive maintenance	25 m ³ /h
810 Series two-in-one filter	25 - 20.000 m ³ /h
PF-HF-CF-DF-GF general use filter	30 - 2500 m ³ /h
9600 multi cartridge general purpose filter	2700 - 33.750 m ³ /h

The capacity of the filter is based on the intake volume of the compressed air compressor at 20°C, 1 bar(a); working pressure of the filter 7 bar(g).

Flair After Sales Service

Flair's After-Sales Service – embracing spare parts, service and equipment hire – provides total support: for standard compressed air dryers and fully customized dryers for major projects – and for all customers throughout the world.

Flair's Emergency Call Centre can be reached 24 hours a day, seven days a week. Your call will be answered immediately by one of our After-Sales staff.



Flair Worldwide

Flair is the world's largest manufacturer of compressed air purification equipment. With well-known brands like Delair®, Deltech®, Dollinger® Pneumatic Products® and Technolab®, Flair has over 70 years of experience in the design and development of compressed air, ambient air and gas conditioning equipment. Every one of these brands guarantees quality: all Flair companies are ISO 9001 certified.

Flair's sales range stretches from a wide choice of standard refrigerant dryers, adsorption dryers and filters to customer engineered systems and installations.

Flair is a United Dominion Industries company. United Dominion Industries is a conglomerate of industrial enterprises employing over 12,000 people, worldwide.

FLAIR

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