

Filters

Atmospheric air contains in its origin impurities like dust, various forms of hydrocarbons and water in form of humidity, which once sucked by the compressor is compressed and delivered to the line together with eventual oily particles. These polluting agents, interacting among each other, may generate abrasive and corrosive emulsions which can damage the distribution lines, the pneumatic devices and the product itself. To prevent this negative impact, ABAC has developed a whole range of filters to purify the air.



Applications

- Instrument systems
- Pharmaceutical industry
- Food industry
- Chemical & packaging industry
- Pneumatic transports
- Industrial painting
- Control systems
- Generic tools
- ...and any application using compressed air

Main benefits

- Purify the air its oil/dust contamination
- Increased production & quality: prevent breakdowns instead of curing
- Ensuring greater efficiency and reliability
- Less wear of distribution network and equipment
- Simple design, excellent performance
- Decreased maintenance costs
- Different cartridges with specific filtration qualities
- Higher final product quality



1. Enjoy a reduced pressure drop and increased savings thanks to the unique head design.
2. A venting hole will give an audible alarm if the filter is dismantled under pressure.
3. Removing the filter bowl is an easy job as the external ribs allow for a firm grip on the filter.
4. No need to worry about corrosion. The die cast aluminum housing with special anodized treatment protects our filters both on the inside and the outside.
5. Easy monitoring via sight glass.
6. Smooth draining of the filter ensures a reliable performance. This is guaranteed by our high performance drains (G - C - P) and manual drains (V - S - D).

Filter range overview



G FILTER RANGE

Coalescing filters for general purpose protection, removing solid particles, liquid water and oil aerosol.

Total Mass Efficiency: 99%

For optimum filtration, a G filter should be preceded by a water separator.



S FILTER RANGE

Particulate filters for dust protection.

Count Efficiency: 99,81% at Most Penetrating Particle Size (MPPS = 0,1 micron)

An S filter should be preceded by a dryer at all times.



C FILTER RANGE

High-efficiency coalescing filters, removing solid particles, liquid water and oil aerosol.

Total Mass Efficiency: 99,9%

For optimum filtration, a C filter should be preceded by a G filter at all times.



D FILTER RANGE

High-efficiency particulate filters for dust protection.

Count Efficiency: 99,97% at Most Penetrating Particle Size (MPPS = 0,06 micron)

A D filter should be preceded by an S filter at all times and is commonly fitted after an adsorption dryer.



V FILTER RANGE

Activated carbon filter for removal of oil vapour and hydrocarbon odors with a maximum remaining oil content of 0,003 mg/m³ (0,003 ppm).
1000 hour lifetime



P FILTER RANGE

Coalescing and particulate general purpose prefilter. Removing solid particles, dust, liquid water and oil aerosol.
Total Mass Efficiency: 90%

Options



- Pressure gauge
- Voltage free contact mounted on the differential pressure gauge to give remote indication of the cartridge replacement



- Pressure indicator
- Serial Connection Kit allows easy mounting of filters in series
- Wall mounting kit to simplify installation



- Quick coupling for easy connection to fix an intelligent drain with no loss of compressed air