



# Compressed air filters

For clean, pure compressed air

For over 40 years, Pneumatech has provided complete filtration solutions to protect your investment in equipment and processes.

Our comprehensive line-up of filters is based on unique and proprietary enhanced media to efficiently reduce all types of contamination. We are proud to continue our legacy with this newest line of enhanced filtration systems and replacement elements – all in stock and ready to ship.

# Pneumatech filters: For clean, pure compressed air

## Pure protection

Your processes are your life blood and they need to be protected at all costs. This is why you need an exceptionally reliable source of clean, dry air or gas – and that is exactly what Pneumatech delivers. We are an ISO 9001:2008 and ISO 14000 certified manufacturer who fully understands your industry's regulatory and environmental concerns. You can trust us to protect your processes, your products, your applications, and your reputation.



## Pure profitability

We aim to deliver consistently high-quality products and services that contribute to your bottom line. Our refrigerated dryers are designed to drive down your manufacturing costs and energy use. We continually invest in exceptional manufacturing, quality, service and innovation to help you save energy and money, year after year.

## << Pure production

Maximizing your productivity is one of Pneumatech's core objectives. Our superior solutions add value to your production processes while consuming the least energy possible. Our refrigerated dryers are extremely reliable to keep your production up and running optimally.



## Use Pneumatech compressed air filters to:

- Protect and increase the efficiency of your Pneumatech refrigerant and desiccant air dryers.
- Remove oil and solid particles from the compressed air network at source.
- Protect sensitive instruments and pneumatic equipment from contamination.

## Assured air purity

When compressed air comes into direct or indirect contact with your product, a much higher level of contaminant control is required. Particular attention needs to be given to contaminants that might appear during the compression and distribution of the air.

Pneumatech filters comply with the bacteriological filtration grade and the British Compressed Air Society (BCAS) Food Grade Compressed Air Code of Practice, which makes them particularly suitable for the food and beverage industries.

## Certifications

- The complete Pneumatech filter range is tested and certified according to ISO 12500-1:2007, ISO 12500-3:2009 and ISO 8573-1:2010, ISO 8573-2:2007 and ISO 8573-4:2001.
- For every required purity class, according to ISO 8573-1, Pneumatech can offer a solution from general purpose protection to extremely pure air.

# Quality filters to ensure productivity and save money

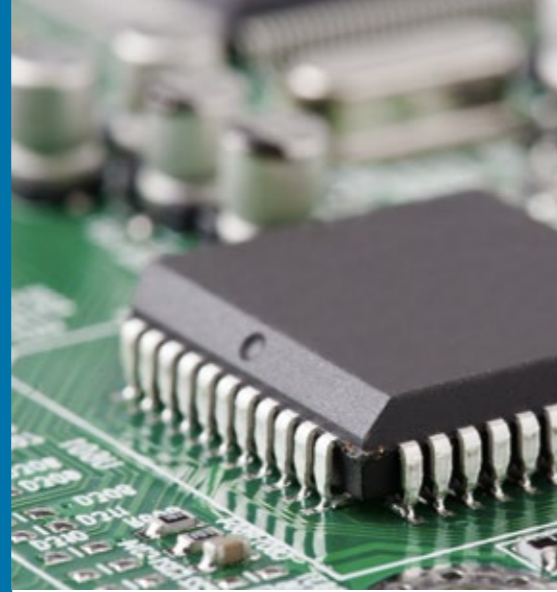
Pneumatech offers a Standard (S) range and a High Efficiency (HE) range of compressed air filters to best meet your process needs.

Both filter ranges offer similar benefits such as:

- Maximum contaminant removal.
- Energy savings.
- Increased reliability.
- Easy maintenance.

The HE range is engineered for minimal pressure drops and offers significant energy savings over time. Pneumatech filters are available in a number of grades (P, G, C, S, D and V) and sizes:

Grade	Description
P	Coalescing and particulate general purpose pre-filter
G	Coalescing filters for general purpose protection, removing solid particles and oil aerosol
C	High performance coalescing filters for general purpose protection, removing solid particles and oil aerosol
S	Particulate filters for dust protection, removing solid particles
D	High performance particulate filters for dust protection, removing solid particles
V	Oil vapor and odor removal filter



## Filtering solid particles

## S and D grade filters

- Particulate filters for dust protection.
- S grade: Class 2<sup>(1)</sup> for solid particles.
- D grade: Class 1<sup>(1)</sup> for solid particles.  
(if preceded by an S type filter).

## Filtering oil & solid particles

## G and C grade filters

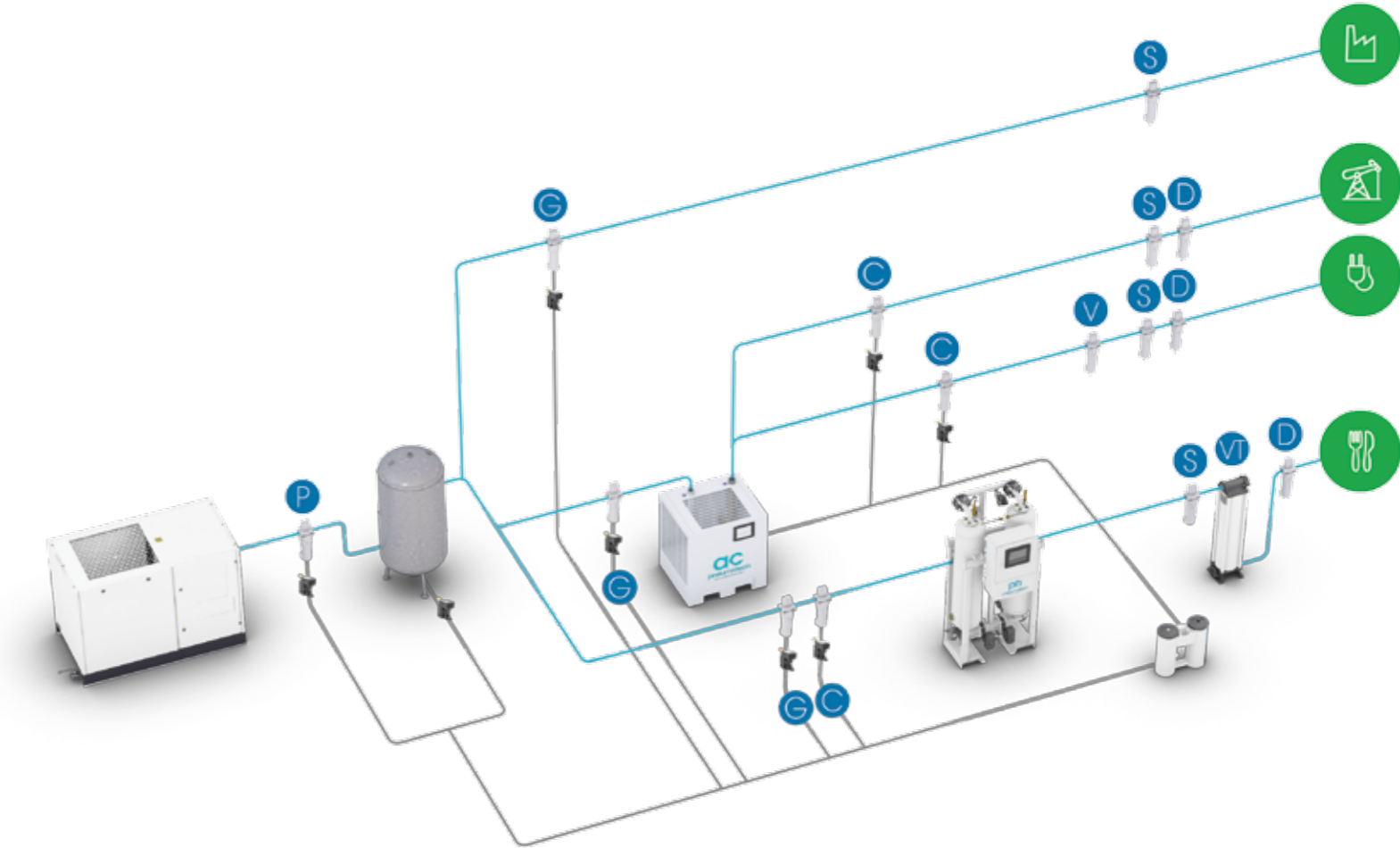
- Coalescing filters for general purpose protection.
- Remove solid particles and oil aerosol.
- G grade: Class 2<sup>(v)</sup> for solid particles and Class 3<sup>(v)</sup> for oil.
- C grade: Class 1<sup>(v)</sup> for solid particles and Class 2<sup>(v)</sup> for oil.  
(if preceded by a G type filter).

## Filtering oil vapor

## V grade filters and VT tower

- Activated carbon filters for removal of oil vapor and hydrocarbon odors.
- V grade / VT tower: Class 1<sup>(1)</sup> for oil.  
*(if preceded by a G and C type filter).*
- VT tower: activated carbon tower with lifetime of 4,000 hours.

(\*) These classes are referring to ISO 8573-1:2010.



## Condensate treatment

If treated in the right way, condensate is nothing to worry about. The Pneumatech range of condensate separators efficiently separate the oil from the water. The harmless water can be drained away and the oil disposed of in an environmentally friendly manner.



## Condensate removal

The condensate drains allow easy discharge of the condensate throughout the complete compressed air system.

# The innovative technologies behind our filters

Pneumatech compressed air filters incorporate a number of key innovative features:

- Enhanced high-performance stainless steel filter cores ensure ultimate strength and low risk of implosion.
- New, enhanced media ensure high filter efficiency, low pressure drop and guaranteed lifetime performance.
- Oil coalescence filters with a large drainage capacity are ideal for variable speed compressors.
- Dust filters – with a large particulate capacity which prolongs filter lifetime.
- Filter elements have been designed to guarantee proper sealing.
- Easy maintenance and reliability via push-on element.



	Typical application	Typical Pneumatech filters		ISO 8573-1: 2010 Class	
		Solid particles	Coalescing	Solid particles	Oil
	General industry	S	G	2	3
	Oil & gas	S D	G C	1	2
	Electronics	S D	G C V	1	1 or 0 (*)
	Food & beverage (*)	S D	G C VT	1	1 or 0 (*)

(\*) Only when an oil-free air compressor is used.

## High reliability housings

Pneumatech filter elements are incorporated into solid housings, which are designed for easy maintenance and fast filter element replacement. They are available in threaded and flanged fittings:



### Threaded range

- External ribs enable a firm grip to allow easy removal of bowl.
- Die cast aluminum housing with special anodized treatment outside and inside to protect against corrosion.
- Unique head design (inlet guide) for reduced pressure drop and increased savings.

### Outstanding cost savings

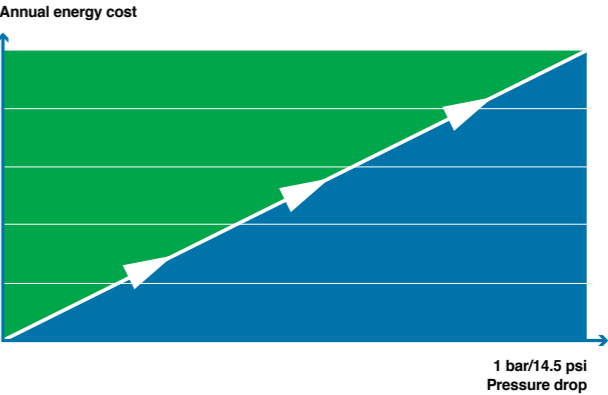
Pneumatech filters offer maximum removal efficiency of contaminants with minimum pressure drop, contributing to low energy consumption in your compressed air system and reducing maintenance costs and product liability.

### Flanged range

- Optimal internal design ensures high performance while keeping the pressure drop of the filter low.
- Special coating ensures a housing lifetime of at least 20 years.
- High performance electronic water drain (EWD) available.
- Special rotating system for the bottom cover facilitates replacement of filter cartridges.



### Energy costs of high pressure drop



## Globally present. Globally certified

Pneumatech was founded in Kenosha, Wisconsin, USA in 1966 and has grown continuously. At the start of this century Pneumatech expanded into compressed air and gas treatment and industrial nitrogen generation markets. It currently has production sites in the USA, Europe and China. In 2010 Pneumatech received ISO 9001 and ISO14001 certification, and OHSAS 18001 certification in 2011.



[www.pneumatech.com](http://www.pneumatech.com)

The colour of the actual products may vary from the color shown in this brochure. Slight differences in detail might appear.