

Compfil™ VY

Polyethylene Pre-filter

The Compfil™ VY polyethylene pre-filters are designed to retain particles from compressed air and gas streams.

Compfil™ VY filters are made of a sintered polyethylene filter media and guarantee absolute retention rates.

By using various filtration mechanisms, such as direct impact and sieve effect, the filter can retain contaminants down to 25µm.

Typical applications:

- Machinery industry
- Chemical and petrochemical industry
- Pharmaceutical industry
- Food and beverage industry
- Plastics industry
- Process industry
- Instrumentation and control air
- Climate control.



Features and Benefits

- **Robust construction**
Homogenous pore structure for optimised regeneration capabilities.
- **Contaminant removal**
Removal of contaminants down to 25µm gives a guaranteed retention rate.
- **Large filter surface available**
From 350mm²/13.78in² (02/05) to 31,000mm²/1220.47in² (30/50).
- **High volume**
A high void volume, with a porosity grade of 45%, allows for a high dirt holding capacity and low differential pressure.
- **Wide operating temperature**
Temperature range from -20°C up to 80°C (-4°F up to 176°F) giving a broad application spectrum.



Materials of Manufacture

Filter media: Pure, highly molecular polyethylene.

Membrane support: Polyester.

End caps: Aluminium.

Bonding materials: Perbunan®. Silicone free and free from parting compounds.

Maximum Differential Pressure

2bar at 20°C (29psi at 68°F), independent from operating pressure.

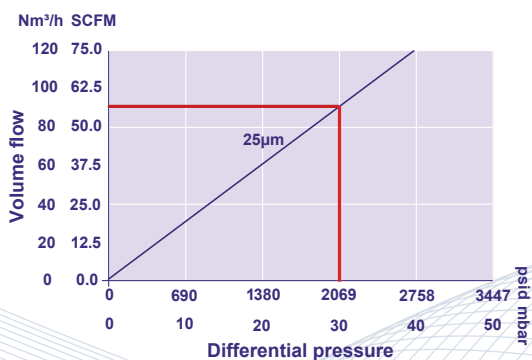
Initial differential pressure at nominal flow

0.03bar (0.44psi).

Retention Rate

100% in gases.

Flow rates



Element type	Correction factor filter surface
02/05	0,08
03/05	0,10
03/10	0,12
04/10	0,17
04/20	0,19
05/20	0,25
05/25	0,32
07/25	0,47
07/30	0,68
10/30	1,0
15/30	1,55
20/30	2,10
30/30	3,20
30/50	5,65



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