

Silicone-free pre-filter for removal of solid contaminants in gases.

Donaldson® PEP silicone free pre-filters contain high porous, sintered polyethylene filter media. Even the finest dust particles and other contaminants in compressed air and gases are removed effectively on the surface and in the depth of the filter medium.

By utilizing various filtration mechanisms such as direct impact and sieve effect, contaminants down to the size of 25 µm are captured by the filter.



PEP

APPLICATIONS

PEP filter elements are ideal in the following industries and applications:

- Automotive
- Chemical
- Petrochemical
- Pharmaceutical
- Plastic
- General machine fabrication
- Food
- Beverage
- Instrumentation and control air

FEATURES	BENEFITS
Permanent temperature range: -4°F up to + 176°F	Broad application spectrum
Void volume: porosity grade 45%	High dirt holding capacity: lower differential pressure
Filter surface: 5.425 in ² (02/05) up to 480.501 in ² (30/50)	Guaranteed retention grade
Removal of contaminants down to 25 µm	Guaranteed retention rate
Regenerative	Economical, longer service life

SPECIFICATIONS

MATERIALS

Filter Media	Pure, high molecular polyethylene
Bonding	Polyurethane
End Caps	Aluminum
Two O-Rings	Viton®, labs-free

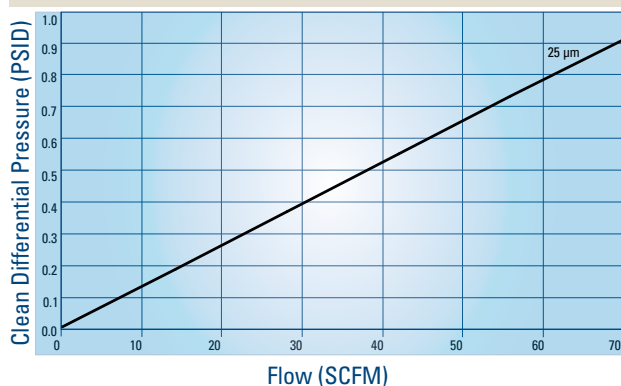
RETENTION RATE

Retention Rate	100% in gases
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DIFFERENTIAL PRESSURE

Maximum Differential Pressure	29.008 psi @ 68°F regardless of system pressure
Initial Differential Pressure at Nominal Flow	0.435 psi

**PEP Element Performance —
Compressed Air**



ELEMENT TYPE	CORRECTION FACTOR FILTER SURFACE KF
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

Important Notice

Many factors beyond the control of Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, specifications, availability and data are subject to change without notice, and may vary by region or country.



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F117092 ENG (08/18) PEP Particle Filter Elements

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