

Removes solid contaminants in gases as a pre-filter or post-filter.

Donaldson® PE filter elements contain highly porous sintered polyethylene filter media. Even the finest dust particles and other contaminants in compressed air and gases are being removed effectively on the surface and in the depth of the filter medium. Surface loading allows users to regenerate the element and reduce operating cost through fewer element change-outs.

By utilizing various filtration mechanisms such as direct impaction and mechanical sieving, particles are retained with an absolute retention rate in gases.



PE

APPLICATIONS

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

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

FEATURES	BENEFITS
Filter surface 5.5 in ² (0205) up to 480 in ² (3050)	Suitable for a wide range of applications and flow rates
Void volume – porosity grade +45%	High dirt holding capacity; lower differential pressure
Permanent temperature range -4°F up to +176°F	Broad application range
Removal of contaminants down to 25 µm	Absolute retention grade
Regenerative	Economical, longer service lifetime

SPECIFICATIONS

MATERIALS

Filter Media	Sintered Polyethylene
Bonding	Polyurethane
End Caps	Aluminum
Two O-Rings	Buna

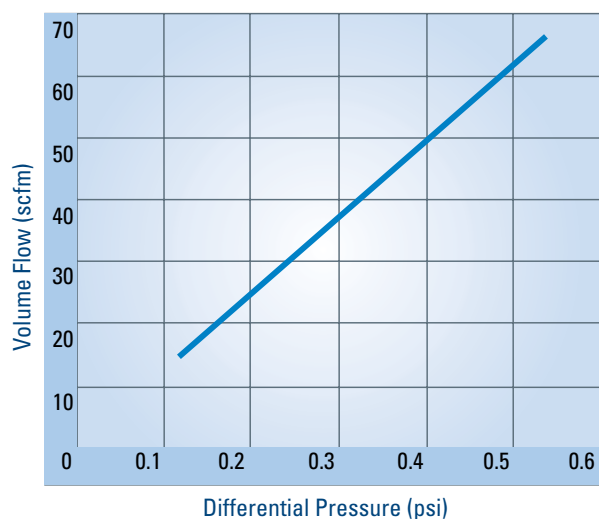
RETENTION RATE

Retention Rate	> 99.98% @ 25 um in gases
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DIFFERENTIAL PRESSURE

Maximum Differential Pressure	30 psi at 68°F regardless of system pressure
Initial Differential Pressure at Nominal Flow	0.44 psi

PE Element Performance – Compressed Air



These curves define the flow of a 1030 filter element at standard conditions (14.7 psia; 68°F. R.H.= 70%)

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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F117046 (05/17) ENG PE Particle Filter Elements

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