

**Removes solid contaminants in gases as a prefilter or post filter.**

Donaldson® P-PE 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.



**P-PE**

**APPLICATIONS**

P-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
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	304 SS
Two O-Rings	Buna

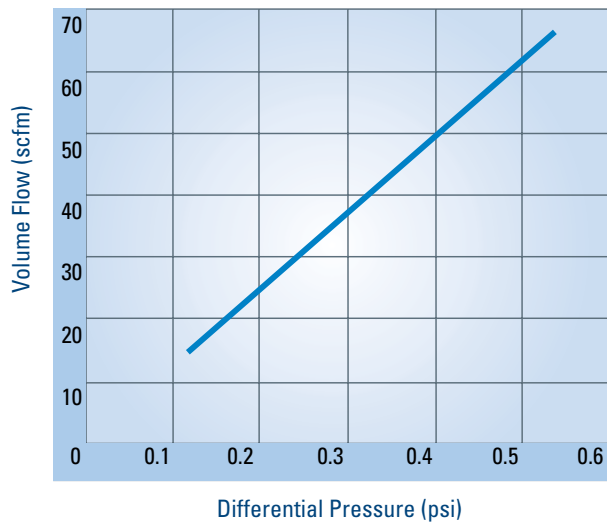
### RETENTION RATE

Retention Rate	> 99.98% @ 25 um in gases
----------------	---------------------------

### 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.



Donaldson Company, Inc.  
 Process Filtration  
 PO Box 1299  
 Minneapolis, MN  
 55440-1299 U.S.A.

Tel 800-543-3634 (USA)  
 Tel 800-343-3639 (within Mexico)  
 Fax 952-885-4791  
 processfilters@donaldson.com  
 donaldsonprocessfilters.com



**F117023 (04/17) ENG P-PE Particle Filter Elements**

© 2014 Donaldson Co., Inc. All Rights Reserved. Donaldson and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners. {Contains Donaldson proprietary technology.}