

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

Donaldson® PE elements contain highly porous sinter 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 Particle Filter Element

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

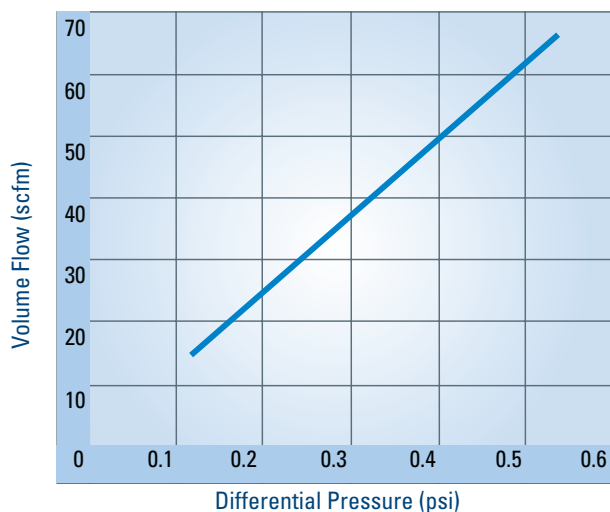
SPECIFICATIONS

MATERIALS	
Filter Media	Polyethylene
Bonding	Polyurethane
End Caps	Aluminum
Two O-Rings	Perbunan [®] *: silicone free and free of compound (standard)

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

Performance of PE elements — compressed air

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



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