



**Donaldson® B particle filter elements are designed for the removal of particulate contaminants in gases.**

The B pre-filter elements utilize a highly porous sintered media for absolute filtration of particles down to 25 µm in size. The primary filtration mechanism of this media is sieving, which captures most particles near the surface allowing for regeneration of the element and reduced operating cost through fewer element change-outs. Although the B element is primarily used as a particulate pre-filter, a simple reversal of flow through the element allows the B element to be used as an effective coarse coalescing filter element, removing bulk quantities of water and oil from an air or gas stream (standard housings are equipped with an internal float drain, so no special equipment is required).

The high-grade sintered bronze media ensures not only a high load capacity of contaminants, but also long life through its resistance to aggressive condensates and its ability to be regenerated many times.



**B**

**APPLICATIONS**

Donaldson B filter elements are ideal in the following industries and applications:

- Particulate pre-filters upstream of final filters
- Centralized pre-filtration in compressor rooms
- Coarse coalescing after cyclone separators and before fine coalescers
- Installations with aggressive condensates

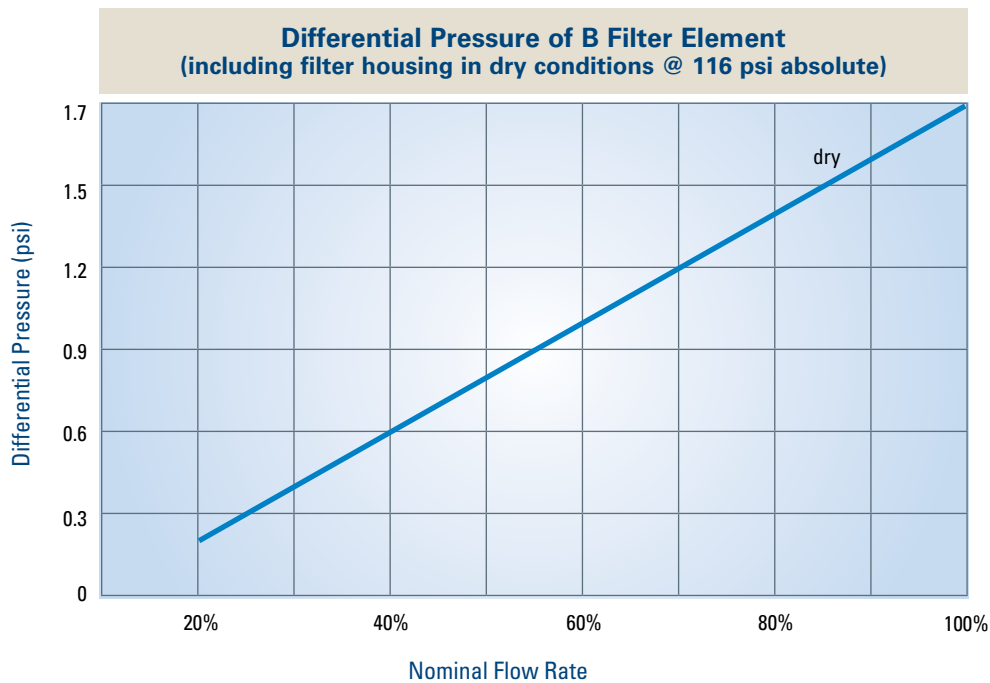
FEATURES	BENEFITS
Void volume - porosity grade larger than 60%	High dirt holding capacity and lower differential pressure
Regenerative - repeatable regeneration possible, combined with exact rates	Economical, longer service lifetime
Removal of contaminants down to 25 µm	Absolute retention

## SPECIFICATIONS

MATERIALS	
Filter Media	Pure sintered bronze material no. 2-1052
Bonding	Polyurethane
End Caps	Glass fiber reinforced polymer
O-Rings	Viton®*: silicone free and free of compound (standard)

RETENTION RATE	
Particulate	> 99.98% @ 25 µm

\* Viton is a registered trademark of DuPont PerformanceElastomers L.L.C.



**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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