

# Adsorbent Breather Filter (ABF)

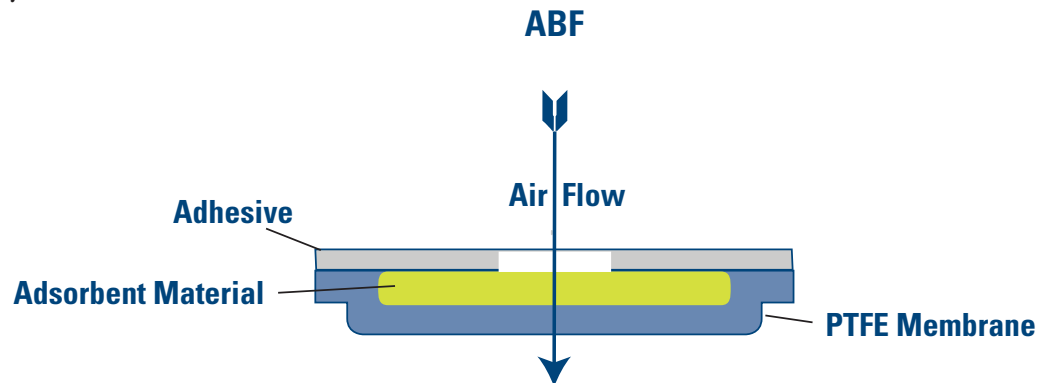
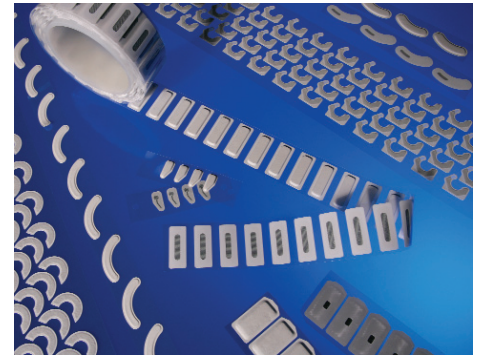
## Product Information - Integrated Venting Solutions

The Adsorbent Breather Filter (ABF) provides protection from particles, hydrocarbons, acid gases, oils, and liquids without negatively affecting the operation of the device.

### Typical Construction

The ABF integrates a breather filter, adsorbent element, and a pressure-sensitive adhesive for securing the filter over an access port in the device. Typical ABFs include:

- **High efficiency PTFE membrane breather** - Acts as particulate, hydrophobic, and oleophobic barrier while allowing necessary gases to flow through
- **Pressure-sensitive adhesive** - Secures the ABF to the device
- **Adsorbents**
  - **Activated carbon adsorbent** - Provides relative humidity control and adsorption of hydrocarbons
  - **Chemically-treated activated carbon adsorbent**- Provides relative humidity control and adsorption of acid gases and hydrocarbons



### Benefits

The ABF improves the reliability and extends the life of the device because it:

- Prevents the passage of particles and liquids
- Removes harmful gases and moisture vapor from incoming air
- Controls the humidity level inside the device



Australia • Austria • Belgium • Canada • China • Czech Republic • Denmark • France • Germany • Hungary • India • Indonesia • Japan • Malaysia • Mexico • Netherlands • New Zealand • Poland • Saudi Arabia • Singapore • Slovakia • South Africa • South Korea • Spain • Sweden • Switzerland • Taiwan • Thailand • Turkey • United Arab Emirates • United Kingdom • United States

The Americas  
Minneapolis, MN  
+1-952-887-3874

Asia  
Hong Kong, China  
+852-2405-8319

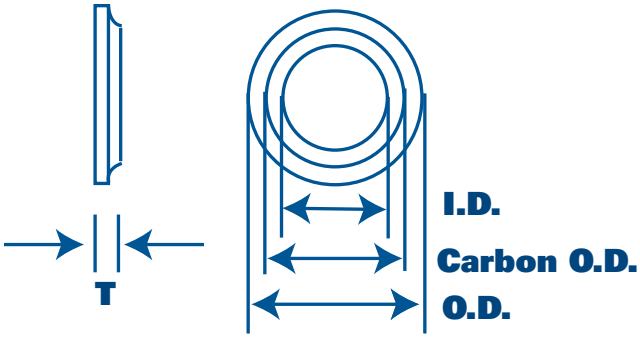
Asia  
Shanghai, China  
+86-21-6438-8899

[www.donaldson.com](http://www.donaldson.com)

Asia  
Japan  
+81-42540-4475

Europe  
Leuven, Belgium  
+32-16-383985

## Design Characteristics



Many shapes and sizes available

Dimension	Range	Tolerance
O.D.	11.9 - 25.4mm (0.470 - 1.000")	± 0.25mm (0.01")
Carbon O.D.	7.6 - 18.3 mm (0.300 - 0.720")	± 0.25mm (0.01")
I.D.	5.1 - 12.7 mm (0.200 - 0.500")	± 0.25mm (0.01")
T - Thickness	0.060" Max	

## Packaging

- Supplied on continuous release liner on polyethylene cores
- Roll sealed in metalized vapor barrier bag

**Contact us today to increase the reliability of your device!**

Australia • Austria • Belgium • Canada • China • Czech Republic  
Denmark • France • Germany • Hungary • India • Indonesia • Italy  
Japan • Malaysia • Mexico • Netherlands • New Zealand • Norway  
Poland • Saudi Arabia • Singapore • Slovakia • South Africa  
South Korea • Spain • Sweden • Switzerland • Taiwan • Thailand  
Turkey • United Arab Emirates • United Kingdom • United States



The Americas  
Minneapolis, MN  
+1-952-887-3874

[www.donaldson.com](http://www.donaldson.com)

Asia  
Hong Kong, China  
+852-2405-8319

Asia  
Japan  
+81-42540-4475

Asia  
Shanghai, China  
+86-21-6438-8899

Europe  
Leuven, Belgium  
+32-16-383985