

# Adsorbent Breather Assembly (ABA)

## Product Information - Integrated Venting Solutions

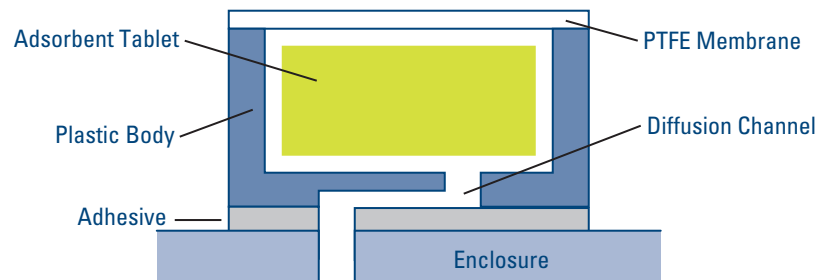
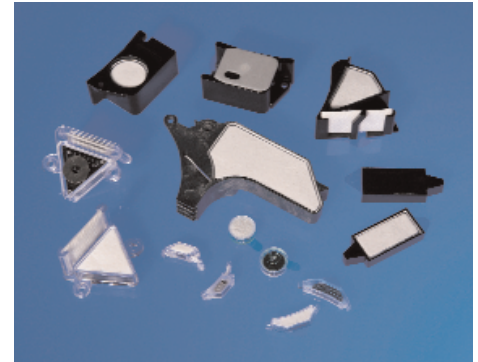
The Adsorbent Breather Assembly (ABA) provides protection from particles, hydrocarbons, acid and base gases, and the effect of water vapor, such as condensation, corrosion, and fungal growth.

### Typical Construction

The ABA integrates a breather filter, adsorbent pouch filter, and a diffusion channel into a single filter assembly. A pressure-sensitive adhesive label secures the filter over an access port in the device.

Typical ABAs include:

- **High efficiency PTFE membrane breather** - Acts as particulate barrier while allowing necessary gases to flow through
- **Diffusion channel** - Reduces the passage of gases and water vapor
- **Plastic housing** - Incorporates breather, diffusion channel, and adsorbent in one product
- **Adsorbents** (available individually or in combination)
  - **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
  - **Silica gel and molecular sieve adsorbent** - Provides relative humidity control



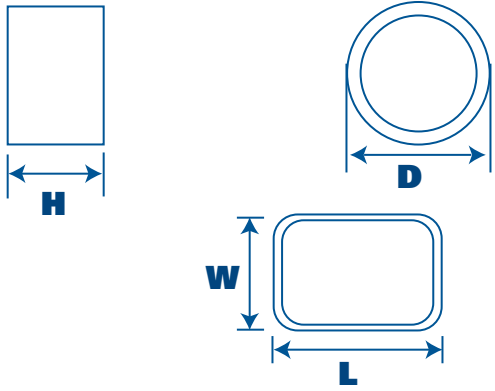
### Benefits

The ABA improves the reliability and extends the life of the device because the:

- Breather prevents the passage of particles and liquids
- Diffusion channel reduces the amount of gases and water vapor entering the device from outer environment
- Adsorbent removes harmful gases and moisture vapor from incoming air
- Adsorbent controls the humidity level inside the device



## Design Characteristics



Dimension	Range	Tolerance
<b>W</b> Width	7 - 25 mm (0.28 - 0.98")	± 0.25mm (0.01")
<b>L</b> Length	7 - 25 mm (0.28 - 0.98")	± 0.25mm (0.01")
<b>D</b> Diameter	7 - 25 mm (0.28 - 0.98")	± 0.25mm (0.01")
<b>H</b> Height	4 - 15 mm (0.16 - 0.59")	± 0.25mm (0.01")

## Packaging Options

- Supplied in stackable trays and sealed in metalized vapor barrier bag
- Bulk packed in metalized vapor barrier bag

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