

The Adsorbent Label Filter (ALF) is typically placed inside a sealed enclosure and provides protection from hydrocarbons and acid and base gases without negatively affecting operation of the device.

TYPICAL CONSTRUCTION

The low profile ALF is comprised of a filtration membrane, adsorbent element, and a pressure-sensitive adhesive for securing the filter inside the device. Typical ALFs include:

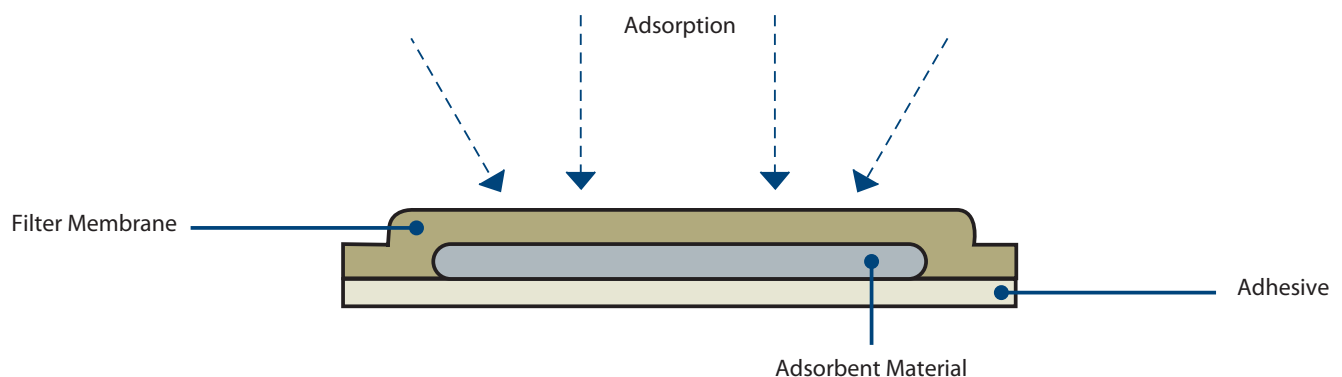
- **PTFE filtration membrane** - Encapsulates the adsorbent element while remaining permeable to gaseous contamination
- **Pressure-sensitive adhesive** - Secures the ALF to the device
- **Adsorbents**
 - Activated carbon adsorbent - Provides relative humidity control and adsorption of hydrocarbons
 - Chemically-treated activated carbon adsorbent - Provides relative humidity control and adsorption of acid gases and hydrocarbons



BENEFITS

The low profile ALF improves the reliability and extends the life of the device because it:

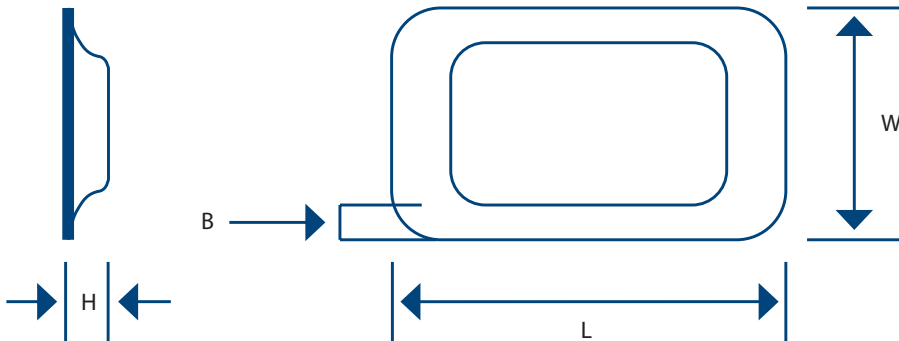
- Removes harmful gases and moisture vapor from ambient air
- Controls the humidity level inside the device
- Easily integrates with wide variety of product configurations



ADSORBENT LABEL FILTER (ALF)

DESIGN CHARACTERISTICS

Dimension	Range	Tolerance
L Length	8 - 100 mm (0.31 - 3.94")	± 0.5 mm (0.02")
W Width	8 - 100 mm (0.31 - 3.94")	± 0.5 mm (0.02")
H Height	0.75 - 2.5 mm (0.03 - 0.1")	Limited by space avail.
B Border	1.0 - 5.0 mm (0.04 - 0.20")	



PACKAGING

- Supplied on continuous release liner; 2000 - 5000 parts per roll on polyethylene cores, and
- Roll sealed in metalized vapor barrier bag

Contact us to increase the reliability of your micro-electronics.



Donaldson.

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