

Breather Assembly

Product Information - Integrated Venting Solutions

The Breather Assembly (BA) provides protection from particulate, water, oils and liquids whilst allowing pressure equalisation in micro-environments. BAs are typically used in devices where adhesives are not appropriate, where chemical incompatibility or extreme temperatures exist, in devices requiring physical protection of the filter path, and ease of assembly into the device.



Typical Construction

The BA is comprised of a breather filter attached thermally, with adhesive, or over-moulded in a plastic housing and supplied as a filter assembly. Typical BAs include:

- **Tetratex[®] High Efficiency ePTFE membrane breather** - Acts as particulate, hydrophobic and oleophobic barrier whilst allowing necessary gases to flow through
- **Plastic housing** - Incorporates the breather filter and is designed to fit into the micro-environment. Available in a wide variety of thermo plastics, elastomers and other materials.

Benefits

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

- Prevents the passage of harmful particles and liquids into the device
- Allows for constant pressure equalisation during altitude and temperature fluctuations

Packaging Options

- Supplied in stackable trays and sealed in cleanroom bags
- Bulk packaged in cleanroom bags

Contact us to increase the reliability of your device

