

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

TYPICAL CONSTRUCTION

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

- **High efficiency PTFE membrane breather** - Acts as particulate, hydrophobic, and oleophobic barrier while 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.

PACKAGING OPTIONS

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



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 equalization during altitude and temperature fluctuations.

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