

The Breather Filter (BF) is designed to protect enclosures and devices from particles, water, oils, and other liquids without negatively affecting their operation. It is comprised of a filtration membrane and a pressure-sensitive adhesive ring for securing the filter to the device.

## BENEFITS

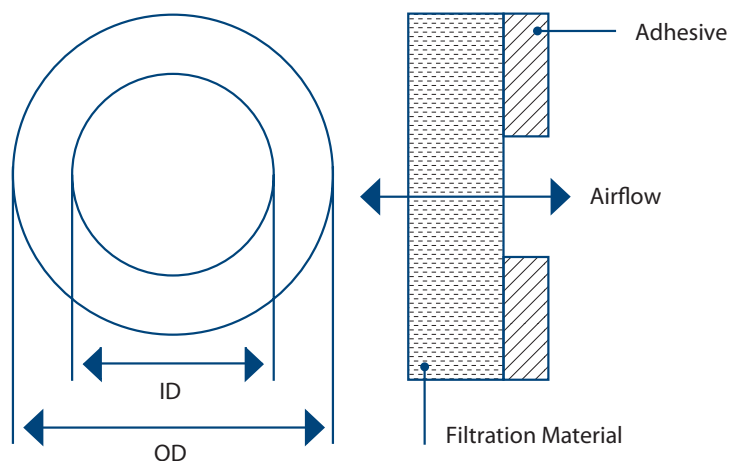
- High efficiency particulate removal
- Venting of gases and pressure equalization
- Eliminates the need for costly hermetic sealing
- Repels water, oils, and other liquids
- Easy application and device integration
- Wide variety of standard sizes and materials available

## STANDARD MATERIALS AVAILABLE

- The many options include ePTFE membrane, woven, nonwoven, and extruded materials such as nylon, polyester, polypropylene, and polyester/polyethylene. Hydrophobic, oleophobic, and acoustic materials are available.
- Thickness: < 0.3mm (< 0.012")
- Continuous Operating Temperature Range:
  - - 40° to 149° C (- 40° to 300° F)
- Minimum efficiency on 0.1 µm Particles: 99.97%



## TYPICAL BF CONSTRUCTION



# BREATHER FILTER

## STANDARD SIZES AVAILABLE

Standard BF Sizes OD x ID

mm	inch
4.5 x 1.5	0.18 x 0.06
7.6 x 3.3	0.30 x 0.13
10.0 x 5.5	0.39 x 0.22
11.0 x 7.0	0.43 x 0.28
12.7 x 8.9	0.50 x 0.35
14.0 x 8.0	0.55 x 0.32
19.0 x 9.0	0.75 x 0.35
21.5 x 12.5	0.85 x 0.49
29.0 x 20.0	1.14 x 0.79

## PACKAGING

- Manufactured, inspected and packaged in clean room environment,
- Supplied on continuous release liner: 2000 - 5000 parts per polyethylene cores, and
- Roll sealed in cleanroom bag unless otherwise specified

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



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Breather Filter (06/10)

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