

## Vehicle Electrification Battery Pack Vents

# Dual-Stage Burst

The low-profile dual-stage Burst vent provides continuous pressure equalization and inlet protection during normal operating conditions.

In the event the internal pack pressure exceeds the opening pressure of 250 mbar, burst pins pierce the membrane, allowing quick pressure relief at a rate of **25 liters/second @ 300 mbar**.



**25 L/s**

@ 300 mbar

## Features

### A Retention Cap with Burst Pins

- + Protects membrane from spray
- + Tested for water and air tightness

### B Tetratex® ePTFE Membrane

- + Hydrophobic and oleophobic to protect against water, dirt and other contaminants
- + Consistent pressure equalization with minimum airflow of **17.8 liters/hour @ 10 mbar** during normal operation

### C Body

- + Protects membrane from spray

### D Quarter-Turn Bayonet Interface

- + Easy attachment to battery pack housing
- + Also available with Screw-Fit interface

### E O-Ring

- + Reliable sealing to battery pack wall



# Dual-Stage Burst Technical Specifications

<b>Vent Type</b>	Burst
<b>Minimum Airflow</b> During Normal Operation	17.8 liters/hour @ 10 mbar
<b>Opening Pressure</b> Typical	250 mbar
<b>Degassing Airflow</b> Typical	25 liters/sec @ 300 mbar
<b>Ingress Protection</b> (IP) Grade	IP67, IP68, IP69K*
<b>Membrane</b>	Hydrophobic & Oleophobic Tetratex® ePTFE
<b>Interface Options</b>	Bayonet: ¼ turn – various thicknesses Screw-Fit: M32 x 1.5 Thread
<b>Temperature Range</b>	-40°C to 125°C
<b>UL94</b>	V0**
<b>Size</b>	51 mm Diameter 13.7 mm Height (above enclosure)

\* Dependent on surrounding structure

\*\* Excluding O-ring



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[donaldson.com/venting](https://donaldson.com/venting)

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