

## Vehicle Electrification Battery Pack Vents

# Dual-Stage Jet

Engineered to provide optimal pressure equalization and ingress protection during normal operating conditions, the dual-stage Jet takes battery safety to a new level with the **industry's fastest degassing capabilities**.

In the event the internal pack pressure exceeds the opening pressure of 115 mbar, the cap and poppet jettison, allowing rapid degassing of roughly 100 liters/second @ 100 mbar.



100 L/s

@ 100 mbar

## Features

### A Cap

- + Protects membrane from spray
- + Tested for water and air tightness
- + Jettisons during a thermal runaway

### B Tetratex® ePTFE Membrane

- + Hydrophobic and oleophobic to protect against water, dirt and other contaminants
- + Consistent pressure equalization with minimum airflow of **97 liters/hour @ 10 mbar** during normal operation

### C Poppet

- + Secures membrane and shields from spray
- + Jettisons during a thermal runaway

### D Custom Seal

- + Prevents dust/water from entering battery pack

### E Body

- + Signature design enables adjustable release pressure and reliable performance

### F ISO-6149 Threaded Interface

- + Easy, reliable attachment to battery pack housing
- + Bayonet interface available as needed

### G O-Ring

- + Reliable sealing to battery pack wall



# Dual-Stage Jet

## Technical Specifications

<b>Vent Type</b>	Burst
<b>Minimum Airflow</b> During Normal Operation	97 liters/hour @ 10 mbar
<b>Opening Pressure</b> Typical	115 mbar
<b>Degassing Airflow</b> Typical	100 liters/sec @ 100 mbar
<b>Ingress Protection</b> (IP) Grade	IP67, IP68, IP69K
<b>Membrane</b>	Hydrophobic & Oleophobic Tetratex® ePTFE
<b>Interface Options</b>	Bayonet: ¼ turn – 3 mm Screw-Fit: M42 x 2 Thread
<b>Temperature Range</b>	-40°C to 125°C
<b>UL94</b>	V0*
<b>Size</b>	58 mm Diameter 12.5 mm Height (above enclosure)
<b>Leak Check Capability</b>	Yes

\* Excluding seals and scrim



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