Donaldson
FILTRATION SOLUTIONS

Mobile Solutions
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

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

* Excluding seals and scrim

CONTACT YOUR DONALDSON REPRESENTATIVE TO LEARN MORE

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donaldson.com/venting
Donaldson Company, Inc.
Minneapolis, MN, USA

CONTACT US

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