

4 functions to help support the life and reliability of your batteries

1

SEALING AND GUARDING

against water, dirt, contaminants and harsh automotive fluids.

2

CONTINUOUS PRESSURE EQUALIZATION

to help protect the battery housing against excess over- or underpressure during the life of the battery.

3

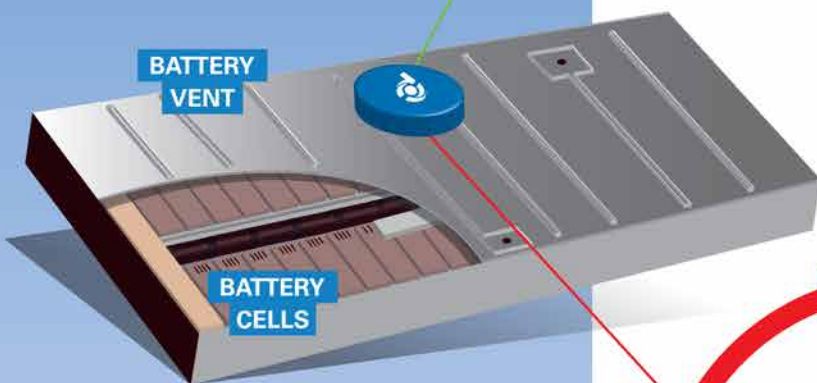
EFFECTIVE VENTILATION

allowing damp air which could accumulate inside the battery housing to be expelled with each warming-up cycle, helping to avoid potential internal condensation issues under certain atmospheric conditions.

4

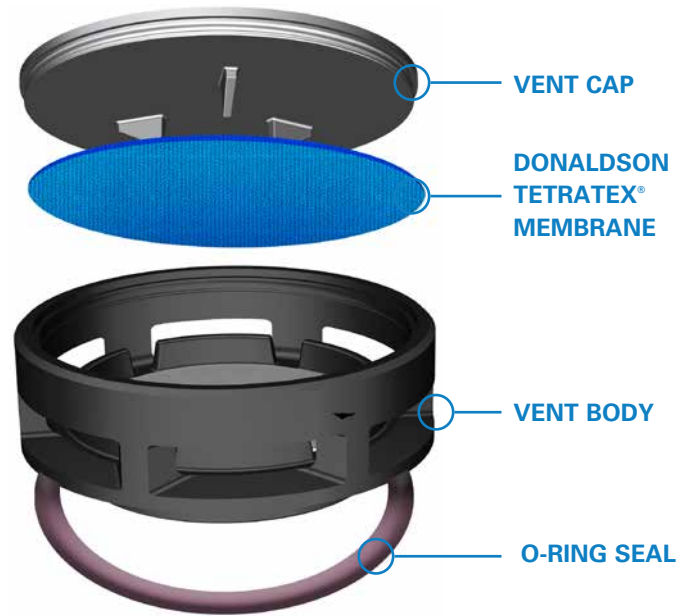
HELPS ENSURE PROPER MITIGATION

in case of a thermal runaway event inside the battery, allowing large amounts of gasses to be expelled in a short timeframe.



QUARTER TURN BAYONET ATTACHMENT METHOD ALLOWS FOR MORE ERGONOMIC MANUAL SECURING DIRECTLY ON THE BATTERY PACK HOUSING.

- Integrated O-Ring for optimum sealing reliability and water and air tightness.
- Press fit cap extensively tested by Donaldson for strength and vibration-proof assembly.
- With water entry pressure up to 2.7 bar and exceptional airflow capabilities, Donaldson's proprietary Tetratex® ePTFE membrane supports pressure equalization and moisture evacuation from the battery housing. The membrane is chemically inert, water repellent and naturally porous. After receiving a proprietary oleophobic treatment, the membrane resists oils, greases, soaps and harsh automotive fluids.



THE DONALDSON DIFFERENCE

FULL MEMBRANE INTEGRATION FOR COMPONENT PROTECTION

Donaldson's proprietary Tetratex ePTFE membrane is heat welded into the housing for reliable bonding. This streamlined membrane design is sealed, avoiding the use of a valve, rubber flaps or any other mechanical parts.

Why is integration important? Under certain circumstances, one-way valves might unintentionally and briefly open, just enough to allow dirt or debris to interfere with the valve seat, leaving free passage to water afterwards. Properly designed venting systems help protect against contaminants along with providing pressure equalization, which supports long-lasting enclosures and battery life cycles.

	DUAL-STAGE BATTERY VENT P517721
AIRFLOW	>100 li/hr @ 70mbar
WEP (OUTSIDE -> IN)	2700 mbar
SAFETY MODE	Yes
Interface	Bayonet quarter turn
Dimensions Height	47mm 10mm
IP Grade	IP 67, IP 68, IP 69K

Discover our range at www.donaldsonventing.com

Contact us at venting.solutions@donaldson.com

Donaldson is IATF 16949:2016 certified and our focus is on high quality manufacturing, responsive customer service, and tailored solutions that can be easily integrated into our customer's device or application. Our unique, proprietary membrane and oleophobic treatment processes allow us to select the best types of materials to meet your application requirements.

Donaldson Company is a leading global provider of filtration products, with sales and manufacturing of venting products in the U.S., Europe and Asia. Let Donaldson be your partner in problem-solving.

Important Notice

Many factors beyond the control of Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, product specifications, availability and data are subject to change without notice, and may vary by region or country.

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