Our innovative DIAvent is the ideal pressure management solution intended for large-scale batteries in electric and hybrid vehicles. It is made up of a patented multi layer, nonwoven fabric combined with an umbrella membrane that allows DIAvent to intelligently and reliably handle the bi-directional pressure equalization of any battery, even in the harshest of operating conditions.

DIAvent provides extremely high gas permeation during normal operation and a reversible emergency degassing function while also meeting the requirements for water tightness according to protection category IP67 and higher.

Additionally, the DIAvent ...
... passed tests according to ISO 20653:
   IP6K9K; IP67; IP68; IPXXC
... is according to flammability class UL94: V0
... is shock and vibration resistant designed

During normal operation:
- Permeation rate: Typical value 21 L/min at 100 mbar
  Minimal value 16 L/min at 100 mbar
- Permeation also given under high humidity conditions
- Watertight up to 2 m for 2 hours for deionized-water and water with 1% NaCl
- Re-drying time of 2 to 3 hours at 25 °C with 50% humidity

For emergency venting:
- Emergency blow-off: Typical value 18 L/s at 300 mbar
  Minimal value 15 L/s at 300 mbar for outer housing of 55 mm

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the user.

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