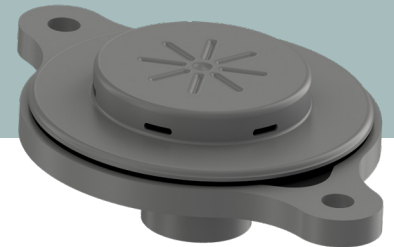


# EvoLift® Pro BATTERY VENTING SYSTEM WITH VALVE CIRCUIT

„Solution for better equalization“



## FIELDS OF APPLICATIONS

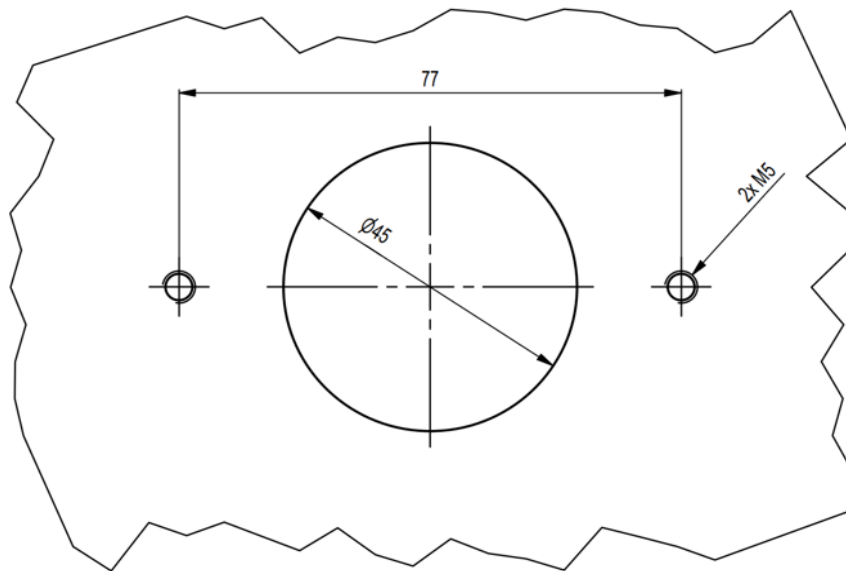
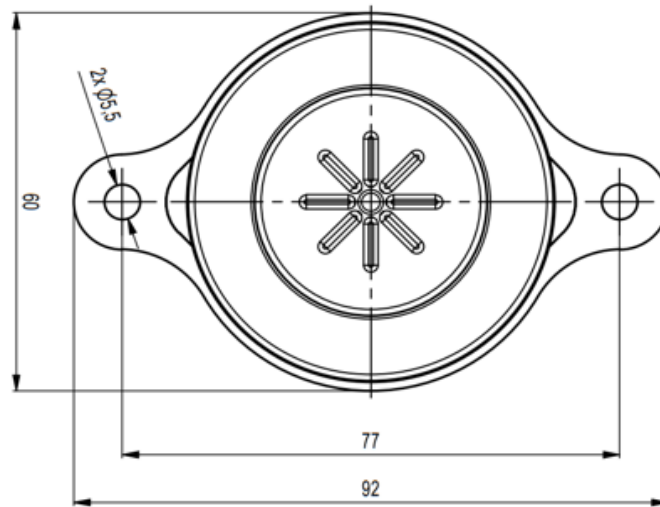
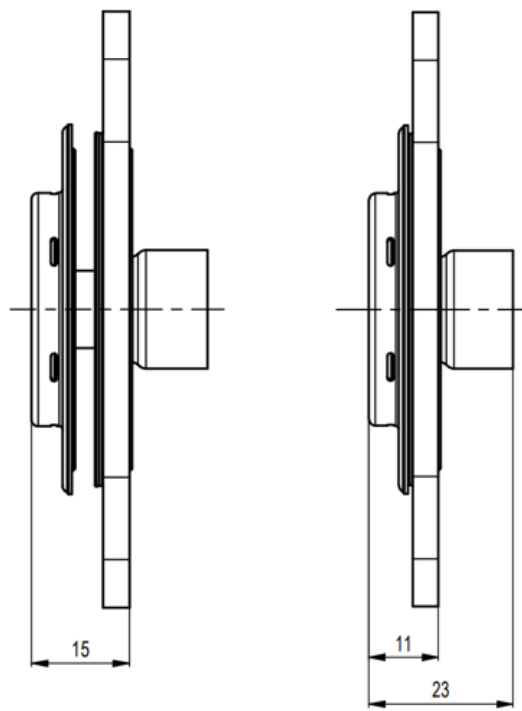
- Battery systems
- Battery modules
- BEV's
- Hybrids and energy storage systems

|                                      |  |
|--------------------------------------|--|
| <b>Vent Type</b>                     | Reversible version with valve circuit                |
| <b>Housing material</b>              | Aluminum / PP GF25 FR / PTFE / TPE / stainless steel |
| <b>Dimension</b>                     | 92 x 60 x 23   |
| <b>Installation space</b>            |  |
| • <b>Connection</b>                  | Screw: 2x M5   |
| • <b>Connection dimensions</b>       | 77 mm  |
| • <b>Hole</b>                        | Ø 45 mm  |
| <b>Opening pressure (adjustable)</b> |  |
| • <b>Ventilation</b>                 | ≤ -30 mbar   |
| • <b>Venting</b>                     | ≥ 15 mbar  |
| • <b>Emergency venting</b>           | ≥ 80 mbar  |
| <b>Air flow</b>                      |  |
| • <b>No venting or ventilation</b>   | Between -30 mbar and +15 mbar (adjustable)           |
| • <b>DAE – ventilation</b>           | ≥ 400 ml/min @ -50 mbar                              |
| • <b>DAE – venting</b>               | ≥ 600 ml/min @ 50 mbar                               |
| • <b>Emergency venting</b>           | ≥ 50 l/s @ 130 mbar                                  |
| <b>Leakage</b>                       | ≤ 1 ml/min @ -10 mbar ≤ p ≤ +5 mbar                  |
| <b>Water resistance</b>              | ≥ 30 min @ 250 mbar                                  |
| <b>IP-Protection class</b>           | IP68, IPX9K  |
| <b>Flame resistant</b>               | UL94 V0  |
| <b>Temperature</b>                   | -40 °C to +80 °C                                     |

## A summary of the benefits

- Variable connection from outside with relatively low installation effort
- Testable in the EOL (End of Line) test
- Reduction of humidity in the battery pack as the membrane does not permanently equalize pressure





The information and values listed here were determined under model and laboratory conditions. They do not represent any assured properties, guarantees or warranties. The validation of the products in the respective application, their performance as well as their suitability for a specific purpose is the responsibility of the user.