

FIA Roll-over valve with residual pressure function

Article no.: Z-V 0010 0631



Design

| | |
|---|---|
| Weight | 65 g |
| Thread | IN M16x1,5 OUT 9/16-18UNF (-06D) |
| Wrench size | 27 |
| Flow cross-section | Ø7,4 / 43 mm ² |
| Function | Acc. FIA Appendix J Article 253 (3.4) |
| Opening pressure of residual pressure valve | 50±10 mbar |
| Opening pressure of over pressure valve | 150-200 mbar |
| Material | EN AW-7075 |
| Seal material | FKM BF750 FVMQ |

Key features

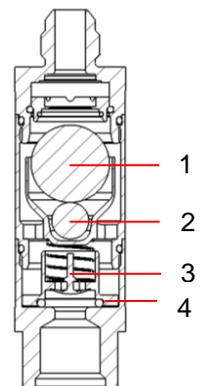
- Double stage pressure valve for venting the vehicle tank
 - o Defined residual pressure (opening pressure of residual pressure function at 50±10 mbar)
 - o Overpressure function (in closed condition, the valve opens between 150-200 mbar)
- Function according to FIA Appendix J Article 253 (3.4)
- Ventilation via integrated umbrella membrane
- Prevents accidental spillage of fuel
- Prevents the tank from overflowing via the float ball
- Installation in vertical position only
- Seal material FKM BF750, FVMQ (E85 applicable)
- Compact size and light weight
- Other connection types or alternative opening pressure settings available on request

Functions

The piston (number 4) opens the valve at a pressure of 50±10 mbar. In open state, the air flows through an annular gap around the ball through the housing and thus the ventilation is secured.

- a) Being exposed to a defined liquid level, the PVDF ball (number 1) is pressed by the buoyancy in the sealing seat and thus closes the valve.
- b) In the case of an inclination angle of more than 90°, the stainless steel ball (number 2) is moved from its previous position and presses the ball number 1 in the sealing seat and thus closes the valve.

If the tank pressure is rising (e.g. due to increasing ambient temperature) in the closed state of the valve, it opens itself in the pressure range 150-200 mbar and the overpressure can be released. The umbrella membrane (number 3) will open if there is a negative pressure in the vehicle tank.



CAUTION: Install in a vertical position only

Dimensions

