

Over-pressure Relief Vent

~ M E M O ~

Amphenol LTW

Over-pressure Relief Vent Series



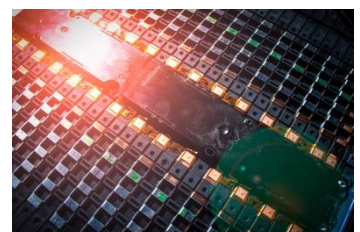
Product Overview

Amphenol LTW is proud to present the over-pressure relief vent in metallic & plastic shells that equalize the pressure inside/outside the sealed enclosure, preventing the shortening of the device's service life and potential damage to internal components, degradation of performance, or sudden heat/pressure rise of a battery module that leads to an explosion.

With waterproof IP68/IP69K ingress protection and hydrophobic/oleophobic membranes, it keeps the liquids, oils, and moisture out and reduces condensation in sealed the enclosure.



- Extend the service life of sealed enclosure
- High ingress protection meet IP69K
- Waterproof and dustproof
- Equalize/balance pressure



Over-pressure Relief Vent Series

Product Information

Thread Size	EPV M20*1.5	EPV M40*1.5
Assembly Type	Screw Type	Screw Type
Product Number	VENT-MS4NME-O8001	VENT-MS5NME-O8001 (Silver) VENT-MS5NBK-O8001 (Black)

Piercing Type



Piercing Type



Product Performance Characteristics

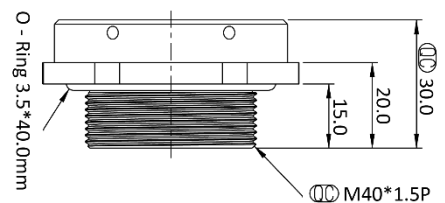
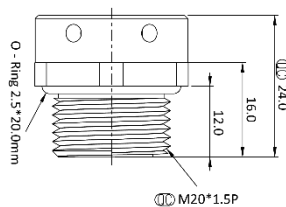
Environment Temperature	-40°C ~ +150°C	-40°C ~ +150°C
Waterproof Rating	IP68 (2M, 60mins), IP69K	IP68 (2M, 60mins), IP69K
Air Permeability	> 2000ml / min @70 mbar	> 4500ml /min @70mbar
Recommended Torque	3.0-5.0 N.m	3.5-5.5 N.m
Wrench Size	26.0mm	50.0mm

Materials

Housing	Aluminum Alloy	Aluminum Alloy
Membrane	ePTFE (Oleophobic)	ePTFE (Oleophobic)
O-Ring	Silicone	Silicone
Housing Color	Silver	Silver / Black

Dimensions

Units are in mm



Over-pressure Relief Vent Series

Product Information

Thread Size	EPV Rectangular Type	EPV M20*1.5	EPV M40*1.5
Assembly Type	Screw Type	Screw Type	Screw Type
Product Number	VENT-PR1NBK-O8001	VENT-MS4NME-O8002	VENT-MS5NME-O8002



spring-loaded



spring-loaded



Product Performance Characteristics

Environment Temperature	-40°C ~ +120°C	-40°C ~ +150°C	-40°C ~ +150°C
Waterproof Rating	IP68 (2M, 60mins), IP69K	IP68 (2M, 60mins), IP69K	IP68 (2M, 60mins), IP69K
Air Permeability	> 10,000ml / min @70 mbar	> 1400ml / min @70mbar	> 3000ml / min @70mbar
Recommended Torque	1.0-1.2N.m	3.0-5.0 N.m	3.5-5.5 N.m
Wrench Size	Options	28.0mm	50.0mm

Materials

Housing	Thermal Plastic, 94V-0	Aluminum Alloy	Aluminum Alloy
Membrane	ePTFE (Oleophobic)	ePTFE (Oleophobic)	ePTFE (Oleophobic)
O-Ring	Silicone	Silicone	Silicone
Housing Color	Black	Silver	Silver

Dimensions

Units are in mm			
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