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GVS Snap and Screw-Fit Vents  
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# SNAP AND SCREW-FIT VENTS



# GVS SNAP AND SCREW-FIT VENTS

## Description

GVS Snap and Screw-Fit Vents protect electrical and electronic modules against contaminants and road conditions, while allowing the air to pass through the filter in order to equalize the pressure between the internal and external environment.

GVS Snap and Screw-Fit Vents prevent the entry of water, mud, particles, dust, salts and other vehicle fluids and improve durability and performance of the inner electronic components.

## Applications

- Electronic Control Units (ECUs)
- Electric Vehicle Communication Controllers (EVCCs)
- On-Board Chargers (OBC) and Boosters
- DC/DC Converters
- Inverters and Boosters
- Sensors, Actuators and Lighting Systems
- Battery Packs
- Starter Motors and Electric Pumps
- High Voltage Coolant Heaters (HVCH)



Specifications	AV014	AV015	AV016	AV020	AV021	NEW 1 AV022	NEW 1 AV041
							
Filter Media	Membrane Hydrophobic and Oleophobic			Membrane Hydrophobic and Oleophobic			
Frame	PBT	PBT UL94 V0*	PBT	PBT	PBT	PBT	PBT
O-Ring	EPDM	Silicone UL94 V0*	Silicone	Silicone	EPDM	Silicone	Silicone
Air Flow		> 15 l/h @ 7 kPa		> 15 l/h @ 7 kPa		> 10 l/h @ 7 kPa	> 93 L/h @10 kPa
Water Entry Pressure		> 60 kPa/30 sec		> 80 kPa/30 sec		> 60 kPa/30 sec	12kPa/30 sec
Operating Temperature	-40°C to 125°C	-40°C to 150°C	-40°C to 150°C	-40°C to 140°C	-40°C to 125°C	-40°C to 150°C	-40°C to 150°C
Dimensions							

\*UL94 V0: Flammability rate

## Features

- Degrees of protection IPX8, IP6KX, IPX9K\*\*: ISO 20653
- Thermal Shock Resistance Test: ISO 16750-4
- Climate Resistance Test: EC 60068-2-67
- Temperature Resistance Test: ISO 16750-4
- Vibration and Mechanical Shock Resistance Test: ISO 16750-3
- Ice Water Shock Resistance Test: ISO 16750-4
- Salt Spray Resistance Test: ISO 16750-4
- Fluid Resistance Test: ISO 16750-5

\*\*With proper housing geometry

## Installation

Ready to use. Clean the mounting surface and remove any contamination before the installation of the Snap and Screw-Fit Vents.

For the Snap-Fit Vents, push them in vertical direction and press into place until you hear a click to ensure a proper seal.

For the Screw-Fit Vents, the recommended torque force is 1.0 ±0.1 Nm.

The above information are for reference only with the sole purpose to define the best fitting product for the user's application.

The use of GVS products in specific applications may give varying results, according to the specific conditions and applications. GVS assumes no responsibility for damages resulting from the incorrect use of its products.