GORE® Automotive Vents
for exterior lighting
AVS 22/23



PRESSURE EQUALIZATION AND PROTECTION FOR REAR LAMPS

GORE® Vents AVS 22 and AVS 23, for adhesive installation, provide responsive pressure equalization and reliable ingress protection. This low-profile laminate construction is designed to provide a secure and durable bond to the housing.

Product Name (order number for samples)	**AVS 22**	**AVS 23**
Order Numbers (Manual installation)	VE2094	VE2096
Order Numbers (Automated installation)	VE2095	VE2097

Product Performance Characteristics

Main vent functionality	• Pressure equalization • Dust/dirt/debris protection • Water intrusion protection	
Minimum airflow (per part) at 70 mbar (1 psi)	> 4.1 l/h	> 6.5 l/h
Typical airflow (per part) at 70 mbar (1 psi)	9.3 l/h	14.4 l/h
Water Entry Pressure (assembly)	> 345 mbar (> 5.0 psi) for 60 sec	
Diffusion performance [1]	> 50 mg moisture/day	> 100 mg moisture/day
Operating temperatures	–40 °C to +150 °C	
Membrane type	Laminate (LM2XX): ePTFE/nylon woven	
Membrane characteristic	Hydrophobic and oleophobic	
Pressure-sensitive adhesive	AD103 Silicone	
Vent mounting housing protection [2]	Protective target frame **is required** for water spray resistance. Vent **must be installed** in protected area.	

1. Based on ASTM E96 Water method. MVTR is represented by average value.

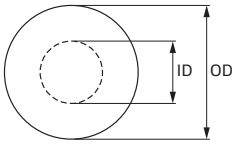
2. Housings made of high-water-absorption plastics (above 0.15% ASTM D570 – 24 hrs. at 23 °C) must be evaluated.

A versatile venting solution for rear lamps:

- Reliable pressure venting, in a choice of two convenient sizes.
- Easy to integrate using automated, semi-automated or manual installation processes.
- Suitable for all lamp types (LED, Xenon, Halogen) and for clear and colored lenses.
- Oleophobic and hydrophobic protection.

Design & Dimensions

	AVS 22	**AVS 23**
Outer dimensions (OD) Inner dimensions (ID)	OD = 12.70 ID = 7.11	OD = 19.05 ID = 8.89



Together, improving life

Storage and Handling Recommendations

W. L. Gore & Associates recommends that adhesive parts be stored in cool dry conditions (22 °C/50% RH) and out of direct sunlight. Adhesive vents are most easily removed from the product carrier within one year of packaging date.

What GORE® Automotive Vents can offer you

GORE® Automotive Vents deliver innovative technology, backed by decades of research and testing. Our product portfolio has proven itself in the harshest environments: literally billions of our vents have been installed in automotive applications worldwide. Today, virtually every global OEM trusts GORE® Automotive Vents to extend the reliability and longevity of their exterior lighting, electronics and powertrain products and assemblies.

Our vents have been engineered with varied properties to fit in any automotive application. With technical support and testing centers in the US, Germany, Japan, Korea and China, our application engineers are easily accessible — and ready to work in close partnership with your design team, from product concept through manufacturing integration.

Contact Us

To discuss options and solutions for your newest application, call your local Gore representative or send your inquiry from our website:
gore.com/autovents

About Gore

W. L. Gore & Associates is a global materials science company dedicated to transforming industries and improving lives. Since 1958, Gore has solved complex technical challenges in demanding environments — from outer space to the world's highest peaks to the inner workings of the human body. With approximately 12,000 Associates and a strong, team-oriented culture, Gore generates annual revenues of $5.6 billion.
gore.com

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INTERNATIONAL CONTACTS

Australia +61 2 9473 6800
China +86 21 5172 8299
EMEA +49 89 4612 2211
India +91 22 6768 7000
Japan +81 3 6746 2570
Korea +82 2 393 3411
Mexico +52 81 8288 1281
Singapore +65 6733 2882
South America +55 11 5502 7800
Taiwan +886 2 2173 7799
USA +1 410 506 7812

W. L. Gore & Associates GmbH
Hermann-Oberth-Str. 26, 85640 Putzbrunn, Germany
T +49 89 4612 2211 **F** +49 89 4612 2302 **E** ipd-deutschland@wlgore.com
gore.com/autovents

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