



GORE® Portable Electronic Vents

FOR ACOUSTICS - IMMERSION APPLICATIONS



How can GORE® Acoustic Vent GAW334 help?

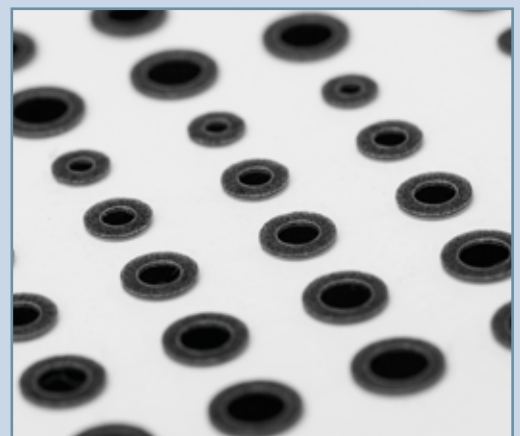
- ✓ Greater acoustic consistency
- ✓ IP68 rated handset and consumer electronics microphone covers
- ✓ Devices that require dark-colored membranes

An advancement in acoustic performance

Ensuring exceptional levels of acoustic performance and consistency, the new GORE® Acoustic Vent is built to protect your handsets and wearables against water ingress.

Offering better acoustic consistency than the GAW325, the GAW334 offers average insertion loss of less than 2dB from at 1,000 Hz with vent ID size of 1.6mm under typical MEMS microphone testing. In terms of immersion protection, it can handle depths up to 2 meters water for 1 hour.

This enhanced design means our vents can be integrated into your electronic devices reliably. The product is available in black color, enabling non-contrast to your devices.



Introducing the New GORE® Acoustic Vent

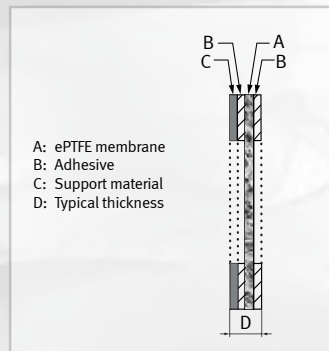
Optimised microphone cover technology that maintains excellent acoustic quality, consistency and robust protection against liquid ingress.

Product Information

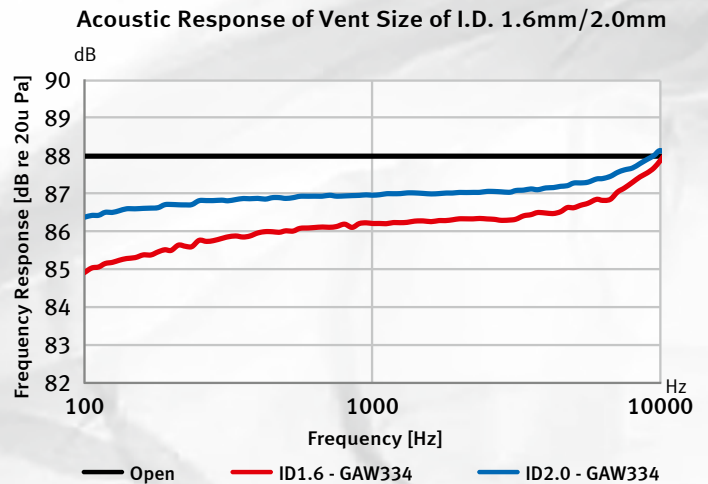
Characteristics/ Performance	GAW334 New
IP rating (IEC 60529) ^a	IP67; IP68 (2 meters water for 1 hour)
Transmission loss at 1000Hz ^b	<2 dB (I.D. 1.6mm) < 1.5 dB (I.D. 2.0mm)
Acoustic variability at 1,000Hz ^c	~0.2 dB (I.D. 1.6mm)
Membrane Type	ePTFE
Membrane characteristic	Oleophobic
Membrane color	Black (black side facing outward)
Standard part reference thickness (PET support material)	0.31mm
Adhesive options	Acrylic ^d
Adhesive Temperature resistance	-40 to 85°C
RoHS ^e	Meets requirements

^a IP ratings for assembled devices depend on the design of the product housing.
^b Response from a typical MEMS microphone system. Performance is dependent on design of device.
^c Standard deviation based on a representative sample size measured by a typical MEMS microphone system.
^d Other adhesives available upon request.
^e To the best of our knowledge, the parts listed above do not have any restricted substances above the maximum concentration values listed in RoHS Directive 2011/65/EU. This information is based on our current level of knowledge and does not constitute a representation or warranty beyond those contained in our standard terms and conditions.

Part Cross-Section



Frequency Response



The test represents the response from a typical MEMS microphone system in Gore laboratory with representative sample size. Performance may vary depending on the design of the device.

Available Standard Parts

- PET support material.
- Polyurethane foam support material available for custom part.

Dimension (mm)		Part number
Inner Diameter	Outer Diameter	Gore® Acoustic Vent GAW334
1.6	3.2	GAW3341.63.2
2.0	3.6	GAW3342.03.6
2.4	5.0	GAW3342.45.0
3.0	6.0	GAW3343.06.0

Custom parts with different thickness & geometry also available per customer's request.

Contact Us

For additional assistance, please contact a Gore representative.

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