



GORE® Portable Electronic Vents

CASE STUDY

Improved Airflow Eliminates Speaker Distortion

CHALLENGE:

A Chinese OEM approached Gore one month before the launch of their product after realizing that the current pressure vent installed in their devices was not providing an adequate airflow.

This would cause speaker distortion issues for the end user, and would therefore damage the reputation of the company and impact device sales if not rectified.

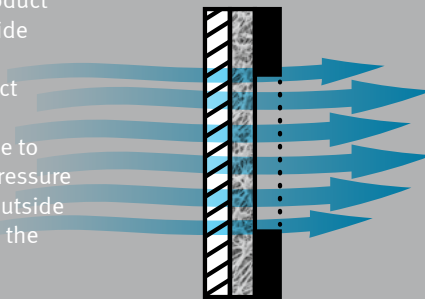
Rapid action was required to resolve the issue and minimize disruption for the client.



SOLUTION:

Product model PE12

Gore quickly identified that the GORE® Pressure Vent (product model PE12) would provide three times the airflow of the original vent product installed in the device. The Gore product was able to effectively equalize the pressure between the inside and outside of the device to eliminate the distortion issue of the speaker/receiver.



OUR EXPERTISE

Gore's deep knowledge enabled the team to specify a differentiated membrane technology, which provided exceptional reliability through a well-refined balance of airflow and water protection.



DESIGN AND SAMPLING

Gore was able to promptly provide a tested product design and sample to the client within 4 days.



RAPID SUPPLY CHAIN

Gore was able to support the client's needs by providing a complete service that immediately identified and solved the root cause of the problem. Gore quickly sampled the products and ramped up mass production all within one month.

RESULTS:



Performance:
Tripled vent airflow



Eliminated:
Speaker and receiver distortion



Improved:
Consumer experience





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Why GORE® Portable Electronic Vents?

Leading OEMs select Gore because our products and services enable them to develop differentiated and innovative products with low development and supply chain risk in a fast-paced, highly competitive market.

Product and Application Leadership

Grounded in a deep understanding of material science and acoustics, Gore provides the optimum venting solution. We balance the trade-offs between diverse problems such as adverse operation environments, immersion events and acoustic performance.

Global and Localized Sales and Technical Support

With outstanding worldwide technical and service support, our local sales and technical teams collaborate with OEMs and their contract manufacturers to ensure there are no surprises before or after product launches.

Reliable Performance

Our testing labs are dedicated to researching and developing acoustic and water resistant technologies. This significant investment into exploring the science of reliability ensures that our products are consistently dependable and work as expected every time.

Trustworthy Partner

Our global supply chain is robust and agile enough to provide short lead times, consistent quality and sufficient capacity for the largest programs and fastest ramps.

Contact Us

For additional assistance, please contact a Gore representative.

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