



GORE® Portable Electronic Vents

CASE STUDY

Improved Waterproofing and Optimized Acoustic Performance

CHALLENGE:

During their design validation process, the client discovered that their existing mic vent failed the product waterproofing test, which caused catastrophic damage to the device.

The waterproofing problem was so severe that too many of the devices that were subjected to the design validation process were damaged beyond repair, and the client was unable to secure the reliability of the product.

The client approached Gore in the hope that they could offer a reliable alternative which could meet all of their performance and quality requirements.



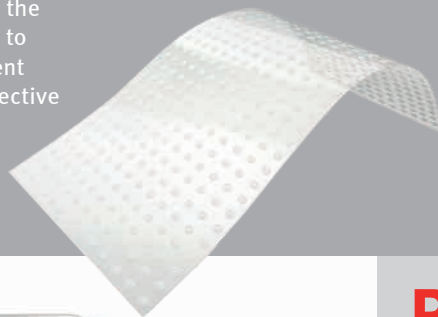
SOLUTION:

After the Vice President of the company called Gore for a solution to their problem, our application engineers were able to evaluate the requirements of the device and introduce a viable alternative product to suit the client's needs.

Gore offered the GAW333 product, which already had a well-established reputation within the market. The product was able to provide the client with excellent acoustic performance and effective IPX8 water resistance.

By collaborating with the client, Gore was able to optimize the overall acoustic performance by adjusting the part design and improving the handling and installation properties.

Product model GAW333



OUR EXPERTISE

Gore's ability to provide a product with reliable IPX8 protection and optimized acoustic performance was essential in delivering a trustworthy solution for the client. Gore's understanding of the client's manufacturing and installation procedures were utilized to prevent catastrophic water leakage, while maintaining excellent acoustic performance.



CLIENT KNOWLEDGE

Our deep understanding of the client's applications and product requirements were integral to the development of a solution that satisfied all aspects of the client's requirements.



INSTALLATION AND HANDLING

The Gore team provided an insightful treatment of the installation process that was able to facilitate a design with excellent handling and fitting characteristics. A badly installed vent will inevitably lead to water leakage; our experience helped the customer to install the product with precision and accuracy.

RESULTS:



Eradicated:
Water leakage problem in handset



Guaranteed:
Water immersion protection up to 2.0m for 30 mins



Robust installation process:
Client was able to adopt a Gore installation process, which ensured minimal yield loss for the device





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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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