Case Study: How to Keep a GARDENA Lawn Irrigator Dry

Protecting High Quality Electronics with High Quality Vents

CHALLENGE

With the solar-powered AquaPrecise, GARDENA caters to the high quality demands of modern consumers for comfort and control in their garden devices. While its underground usage makes **watertightness** key, the device needs to **equalize pressure differentials** caused by ambient temperature fluctuations rapidly. Only a combination of these functionalities can both **protect sensitive electronics and avoid seal damage**.

Want to know how we did it?

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

Visit **gore.co/gardena-aquaprecise** to find out how exactly we helped our customer to succeed in this special case – and how we can do the same for you!

SOLUTION

After taking the details of the device's design and particular usage challenges into account, Gore responded to GARDENA's challenge with the **GORE® PolyVent XS Snap-in Vent**. This vent is particularly recommended for lightweight, thin-walled enclosures with internal volumes of up to five liters as it provides exceptional water submersion protection while having a good airflow, and it convinced GARDENA with its high quality, performance and its **excellent price/performance ratio**.

In short, it was a perfect match: A high-quality solution for a high-quality product.

> "For us, it's clear: the electronics must stay dry, even under demanding conditions – tight sealing and pressure equalization are key."
>
> **Uwe Seitz, Sourcing Electronics/Electric, GARDENA-Division**

RESULTS

Due to the very good cooperation and communication between GARDENA and Gore, all timelines and deadlines were met, and the product was launched as planned. A successful collaboration on all levels!



Enhanced durability due to the high-performance membrane.

Extended seal life thanks to high airflow capabilities.

Reliable performance even in underground applications thanks to outstanding water submersion protection.

Why Choose GORE® Protective Vents for Outdoor Electronics?

- Decades of experience and innovation in the market, as testified by hundreds of satisfied, long-standing customers
- Global R&D and engineering teams who work with you throughout the product life cycle
- A unique and comprehensive portfolio of reliable and technically traceable products
- A variety of designs, sizes and product forms that integrate easily into your housings and enclosures
- Tailored venting solutions that increase your product reliability, durability, and profitability
- Service and support from design to the manufacturing process
- Rapid sampling to shorten the product design process
- Rigorous performance testing that improves product reliability
- Global Supplier and Production flexibility with installation options

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