

# CableVent™ Cable Management Solution

### Introduction

In today's rapidly advancing technological landscape, the demand for efficient and versatile cable management systems has never been more important. The increasing complexity of electronic devices and enclosures calls for innovative solutions that can not only manage cables efficiently but also protect sensitive equipment from dust and debris. Universal Air Filter's new CableVent™ product is designed to meet these demands with unparalleled flexibility, customization, and protection.

### Product Overview

CableVent is a revolutionary cable management system that combines the best features of traditional brush-like devices with other benefits that can only be provided through a custom solution. Unlike conventional systems that are rigid and limited in their adaptability, CableVent is fully customizable, making it the perfect fit for any electronic enclosure, regardless of size or configuration. This adaptability ensures that CableVent can be integrated seamlessly into any electronics enclosure, from telecommunications and data centers to military installations.

### Key Features

1. **Customizable Design:** CableVent is designed to be fully customizable, allowing it to fit any electronic enclosure without the need for modifications. The system is built around a polypropylene frame and a polyurethane foam baffle, which are manufactured to uniquely fit the equipment architecture. This ensures that CableVent is the right cable management solution, regardless of the enclosure's design.
2. **Enhanced Dust Protection:** One of the standout features of CableVent is its ability to prevent dust ingress. The system is available in two configurations: one that uses closed-cell foam to create a nearly airtight seal, and another that utilizes open-cell foam to also act as a filter. The open-cell foam version not only prevents dust from entering the enclosure but also allows for airflow, reducing system impedance and improving the system's thermal performance.
3. **IO Management (Planned Cable Routing):** CableVent can be designed to provide cable path optimization. Creating unique routing for specific cables can drastically reduce the amount of air bypass that occurs when cables unintentionally bundle creating large voids through traditional cable brushes. Designing CableVent to route cables through specific locations also reduces the strain on wires like delicate fiber optic cables.



# UNIVERSAL AIR FILTER – EMI Shielding Solutions

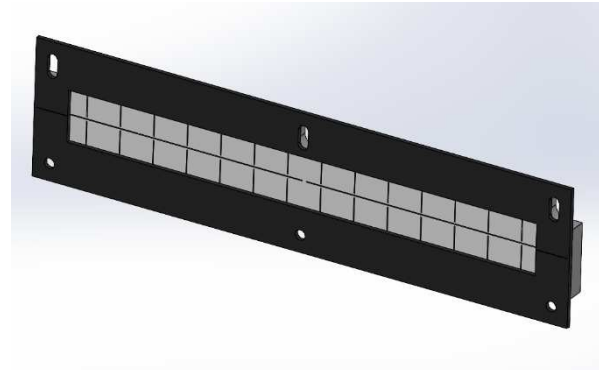
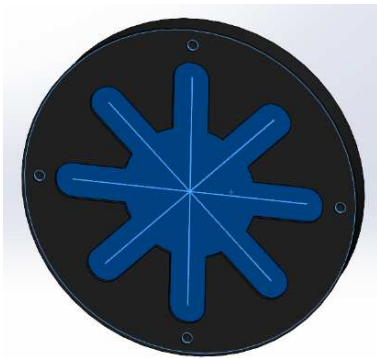
4. **Versatile Configurations:** CableVent is available in multiple configurations to suit a wide range of applications. Whether you need vertical or horizontal cable inlet channels, or a completely unique profile, CableVent offers a solution. The product's versatility extends to its mounting options as well, from slotted mounting holes to adhesive tape options. CableVent can even be designed to fit curved enclosure surfaces.
5. **UL94 (V0 / HF-1) Rated:** The materials used in the construction of CableVent are of the highest quality. The polypropylene frame is durable and lightweight, and the polyurethane foam baffle was tested to a simulated 10-year life cycle. All polymer materials used in CableVent meet the highest UL flammability ratings at UL94 (V0 / HF-1).



## Applications

CableVent is ideal for use in a variety of environments where dust protection and cable management are critical. These include:

- **Telecommunications:** Ensure reliable performance of communication systems by preventing dust ingress and optimizing cable routing.
- **Data Centers:** Protect sensitive servers and networking equipment from dust while managing large volumes of cables efficiently.
- **Military and Industrial:** Meet the rigorous demands of military and industrial applications with a customizable, robust, and protective cable management solution.
- **Medical Devices:** Maintain the cleanliness and performance of medical equipment with a system designed to prevent contamination from dust and debris.



## Conclusion

Universal Air Filter's CableVent is the ultimate solution for modern cable management needs. Its customizable design, advanced dust protection, and versatile configurations make it an indispensable tool for any application where cable management and environmental protection are required. With CableVent, you can be confident that your electronic enclosures are protected, your cables are efficiently managed, and your systems are functioning at optimal performance levels.