

# Manufacturer of 1200mm deep cold aisle with fiber-reinforced spiral tubing

## Article Overview

EDP Data Centre Solutions and Olabs provide customizable cold aisle containment systems that can accommodate 1200mm aisle depths and specialized materials like fiber-reinforced spiral tubing.

### EDP Data Centre Solutions

EDP Data Centre Solutions (EDP DCS) designs, manufactures, and installs bespoke Cold Aisle Containment (CAC) systems tailored to the specific requirements of a data hall. Their systems feature advanced aisle containment doors with full aisle openings ranging from 1200mm to 1800mm, providing stability and synchronized sliding action for easy access. EDP's bespoke design approach allows for custom materials and configurations, which can include fiber-reinforced components if specified. Their systems are suitable for both new builds and retrofits, and FM-approved roof panels drop away in case of fire to allow access for suppression systems .

### Olabs

Olabs offers a cabinet-supported cold aisle containment solution with modular design, compatible with standard 37U, 42U, and 45U cabinets. Their system includes aisle-end doors and roof panels to prevent cold air from mixing with hot exhaust air. Olabs emphasizes flexibility and customization, allowing integration of specialized materials such as fiber-reinforced spiral tubing to maximize cooling efficiency and retrofit existing data centers .

### Other Notable Manufacturers

- o Altimir: Provides custom-engineered hot and cold aisle containment systems with full design, fabrication, and installation support. Their solutions are highly adaptable and energy-efficient, suitable for high-density racks .
- o Maysteel Industries: Offers custom cold aisle containment panels and door kits, with modular options for 36" to 48" aisles. While standard panels are rigid, Maysteel can provide custom solutions for specialized materials .
- o Accelelevation: Manufactures modular containment panels with ceiling-hung or aisle-integrated designs, allowing for custom materials and configurations to meet unique data hall requirements .

### Recommendations

For a 1200mm deep cold aisle with fiber-reinforced spiral tubing, EDP DCS and Olabs are the most directly relevant manufacturers due to their customizable aisle widths and material flexibility. When contacting these



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vendors, specify:

- o Desired aisle depth (1200mm)
- o Material requirements (fiber-reinforced spiral tubing)
- o Rack compatibility (e.g., 42U or 45U)
- o Installation environment (raised floor or slab) These manufacturers can provide turnkey solutions, including design, fabrication, and installation, ensuring optimal airflow management and energy efficiency in high-density data centers.

Tubeaxial fans for industrial ventilation, cold storage & heat exchangers. Diameters 400-1200mm, IE2/IE3

CryoFreeze deliver ultra-fast IQF freezing using liquid nitrogen or CO2. Preserve texture, taste, and yield with flexible tunnel, spiral,

GROSS HOF is a powerful manufacturer of paper tubes for winding thread-like and web-like materials for the film, paper, and textile

Cold and deep-freeze rooms Energy-efficient, long-lasting cold rooms - precisely planned and optimized Glazed cold rooms

Freestanding, Rack-independent system with the flexibility to maximize efficiency and capacity from the core to the edge for raised

Cold aisle containment creates an enclosed corridor in front of server cabinets, ensuring that the coldest air goes directly into

It is no longer possible to imagine large parts of the production, processing and storage of foodstuffs without deep freezing. In the

Aisle Containment strategically improves airflow management in data centres and helps optimise cooling

Adaptable to hot and cold aisle containment, the Vertiv Aisle Containment System allows you to deploy containment before racks are

Discover high-quality 1200mm carbon fiber tubes, suitable for large diameter applications. Available in bulk at competitive prices,



## **Manufacturer of 1200mm deep cold aisle with fiber-reinforced spiral tubing**

Custom engineered hot and cold aisle containment solutions that keep your data center running smoothly and make your build-out

Altimir designs, fabricates, and installs energy-efficient, custom-engineered Hot Aisle and Cold Aisle Containment Systems.

Adaptable to hot and cold aisle containment, the Aisle Containment system allows you to deploy containment before or after racks

Altimir Data Center Solutions designs, fabricates, and installs high quality, custom engineered Hot Aisle and Cold Aisle containment

Hot and cold air containment systems designed to maximize cooling predictability, capacity, and efficiency at the rack, row or room

The Elevate Cold Aisle Fixed End Roof Skylight is a high-performance solution designed to enhance modular containment cold aisle

Web: <https://millstraining.co.za>

