



AISLE CONTAINMENT

HOT & COLD AIR ISOLATION SOLUTIONS

DATA SHEET

Aisle Containment

PRODUCT OVERVIEW

ArcTiv Aisle Containment Systems provide efficient hot and cold air isolation for data centers and server rooms. The modular design is simple to configure and deploy while providing access control and automatic operation to sync with building fire suppression systems.

Learn more are www.arctiv-tech.com/racks



Beautiful Appearance

Tempered glass containment doors and ceiling panels for greater visibility.



Durability

High quality design from SPCC steel frame and tempered glass panels.



Easy Installation

Simple to field install and integrate with ArcTiv Server and Network racks



Modular Design

Standardized panels are simple to design, deploy and expand.



High-Density

Supports latest server and networking applications and in-row cooling systems.



High-Capacity

Supports taller racks (up to 52U) and high airflow underfloor systems



Automatic Operation

Automatic doors and top panels can sync with building fire suppression systems.



Security

Access control and key locks which can integrate with iPDU e-handle systems.

ArcTiv Aisle Containment

AUTOMATIC OPERATION



Automatic Sliding Door (Aluminum)

- Left and Right Sliding Door, Automatic Switch
- Aluminum Profile with Tempered Glass
- Power Input: 100VAC – 240VAC, 50/60Hz
- Access Control: Card, Password, Fingerprint
- Autolock Door
- Wireless Button Switch for Exit
- Fire Alarm



Semi-Automatic Swing Door (SPCC)

- 90° Swing Door with Manual Open, Auto Close
- SPCC with Tempered Glass
- Power Input: 12VDC
- Access Control: Card, Password, Fingerprint
- Electromagnetic Lock
- Switch Button for Exit
- Fire Alarm



Rotary Roof Ceiling

- Compatible with 600 & 800mmW Racks
- Containment Aisle Width: 1200 or 1000mm
- Rotating Angle: 90°
- 5mm Tempered Glass, SPCC
- Electromagnetic Lock (12VDC)
- Supports Fire System Linkage
- Lighting Options
- Emergency Switch Options



Fixed Roof Ceiling

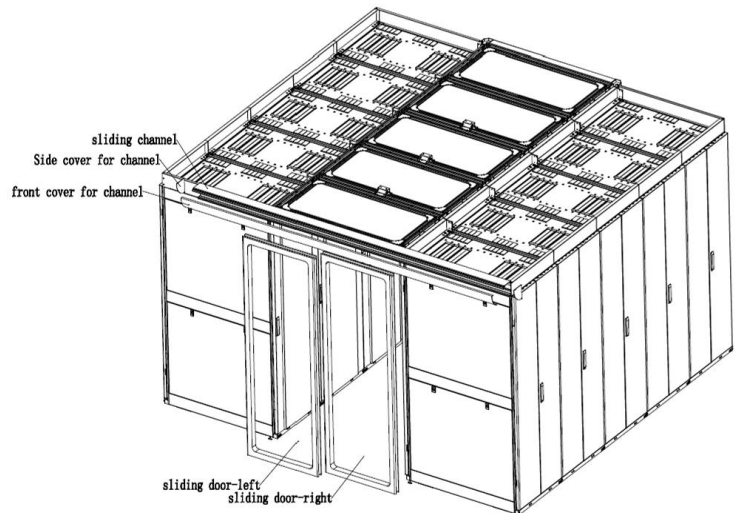
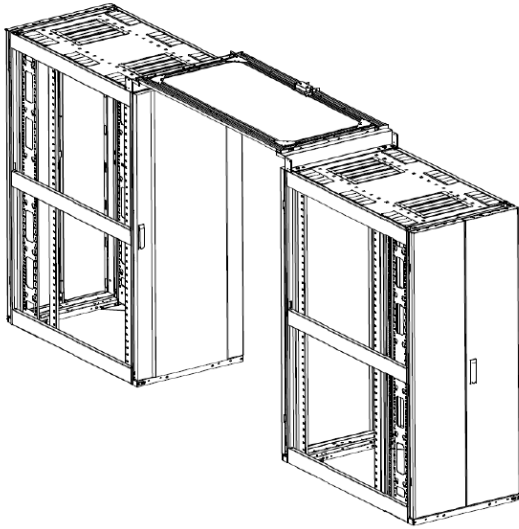
- Compatible with 600 & 800mmW Racks
- Containment Aisle Width: 1200 or 1000mm
- Fixed, 5mm Tempered Glass or Sheet Metal
- Lighting Options
- Emergency Switch Options



ArcTiv Aisle Containment

ASSEMBLY AND ACCESSORIES

Rack and Aisle Containment Assembly



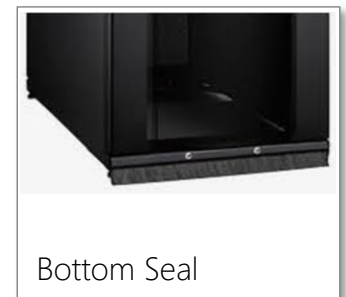
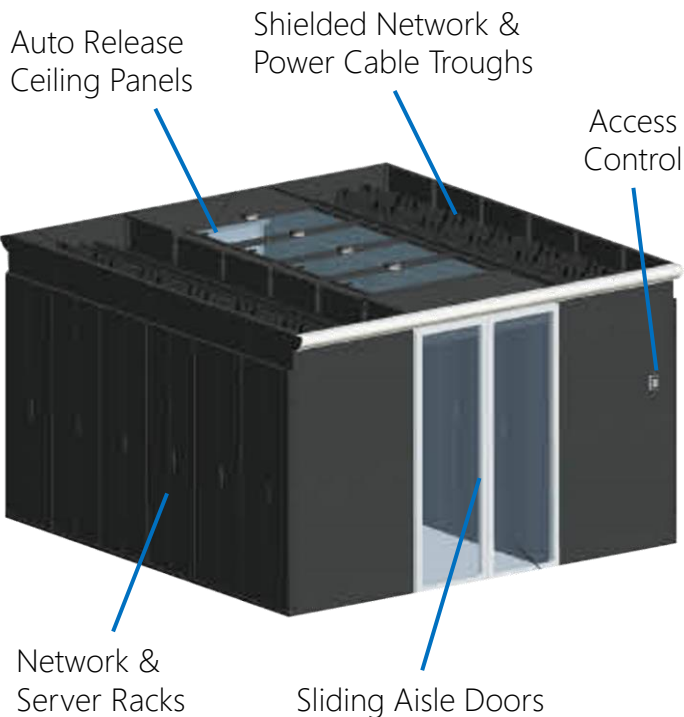
Modular Components

- Server & Network Rack with Roof Panels
- Scalable for Future Expansion
- Conform to Tile Floor Dimensions

Assembled Doors

- Automatic Sliding Tracks
- Fully Sealed Operation
- Access Control

System Components & Accessories



Aisle Containment

SPECIFICATIONS

FUNCTION	AUTOMATIC COLD AISLE CONTAINMENT SYSTEM
Cold-Aisle Containment	Isolates Cold Air to IT equipment While Hot Exhaust Air is Pushed Outside and Returned
	Containment Utilizes Panels, Door Frames, Doors and Air Blocks
	Compatible with Raised Floors and 24" Floor Panels
	Compatible with ArcTiv Server and Network Racks
Rotary Roof Ceiling	Ceiling Panel Thickness: > 6.0mm, Nominal Thickness: 2.36mm (V0 Clear) or 6.0mm (Lexan)
	Materials: SPCC and Tempered Glass
	Ceiling Panel Auto Release in Coordination with External Fire Detection & Suppression
	Minimum Light Transmission per ASTM D1003 > 82%
	Ceiling Panels Match Dimensions of Rack Widths, Row Width and Aisle Width
Aisle Doors	Tool-less Removal of Ceiling Panels for Simplified Service Access
	Door Frames and Doors Match the Rack Height and Aisle Width
	Materials: Aluminum, SPCC and Tempered Glass
	Sliding Doors with Window, Handles and Latches
Sealing Components	2000mmH x 1200mmW
	Foam Rubber Gaskets or Metal/Composite, Brush, or Plastic Air Blocks
Power Control Box	Joints Between Ceiling Panels, Top of Racks, Door Frames, End-of-Row, Rack Bottom
	2U Control Box Drives the Automatic Sliding Doors and Ceiling Panels
Certifications	Power Input: 100 – 240VAC 50/60Hz
Warranty	CE, RoHS, IP20, IEC 60950
	1 Year
ACCESSORIES	
Access Control	PIN Based Access Control
LED Lights	Automatic Lighting to Sync to Automatic Doors
Blanking Panels	Fill Gaps Between Empty Rack Spaces
Depth Extenders	Mount to Front or Rear of Racks to Align the Aisle Depth
Height Adapters	Mount to the Top of Racks to Align the Aisle Height
Chimneys	Mounts to Top of Racks to Connect with Central Hot-Air Return System
Top Cable Trough	Data Shielding Trough: Top-Mount Cable Channel Supports Network Cables
	Power Cable Shielding Trough: Top-Mount Cable Channel Supports Power Cables

Notes: ¹Customized options available (Not shown)
 Specifications shown are subject to change without any further notification.





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Power



Protect



Cool



Connect

ArcTiv Technologies is a global technology vendor whose mission is to **Power, Protect, Cool and Connect** your data center and edge-computing network infrastructure.

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