



Aisle Containment Catalog

Aisle Containment Overview

Excessive heat is one of the biggest risks to data center performance. With rack densities skyrocketing, it's imperative that data center operators are getting the most from their cooling systems. The Enconnex Aisle Containment line is here to optimize airflow and improve cooling effectiveness for data centers of any scale.

What is Aisle Containment?

- Aisle containment is a data center thermal management solution designed to improve server cabinet cooling efficiency at the row-level.
- It involves installing physical barriers to “contain” the aisle between two rows of cabinets.
- This aisle segregates cold supply air from hot exhaust air.

Hot vs. Cold Aisle Containment

- Hot aisle containment contains hot exhaust air, preventing issues with hot air recirculation.
- Cold aisle containment contains cold supply air and targets it directly at equipment, minimizing issues with bypass airflow.

Why Aisle Containment?

- Optimize the performance of room-based cooling systems (HVAC) with effective airflow management (aisle containment).
- Potentially avoid costly and disruptive HVAC upgrades.

Aisle Containment Benefits

- Isolates airflow of existing HVAC system to rack mounted equipment, maximizing effectiveness.
- Prevents hot exhaust air from recirculating with cold supply air to improve efficiency and PUE.
- Reduces in-rack hotspot risk, improving equipment lifespan and performance.
- Scalable and compatible with traditional data center layouts (raised floor / drop ceiling).
- Manageable investment cost.



Enconnex Aisle Containment Features

- Comprehensive configuration and customization options.
- Built to exact customer spec.
- Purpose-built, engineered frame design.
- Lightweight to reduce load on floor or ceiling.
- Site assessment capabilities.
- Design drawing capabilities from concept to submittal.
- Dedicated installation team ready to travel nationwide.
- Seamless integration with existing fire safety systems.
- Most components arrive pre-assembled, reducing on-site installation time.
- Auto-closing doors with adjustable speed settings.
- Rapid production schedules. Minimal lead time.
- Two-year warranty on all hard containment products.
- Made in the USA.

Configuration Options

CONTAINMENT CONFIGURATION

When it comes to aisle containment, one size does not fit all. We understand that every data center environment comes with unique challenges and specifications. Our team of engineers will work with you to configure the right solution for your environment.

Core Containment Selections:

- Hot and cold aisle containment configurations.
- Floor supported, cabinet supported, or ceiling supported options.
- Single and double-sided sliding doors, hinged doors, and saloon-style available in black or clear anodized finishes.
- Multiple electronic locking options.
- Standard or custom sizes available.
- Multiple insert options (clear, opaque, solid color).
- Drop-away and tilt-away ceiling tile options.

Hot Aisle Containment



Cold Aisle Containment

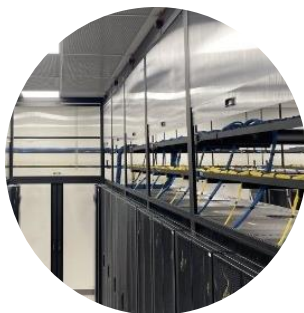


Specialty Accessories:

- Multiple rigid side panel options to fill gaps between doors and cabinets.
- Softwall curtains and strips available for non-traditional aisle containment configurations.
- Adjustable filler panels (telescoping) for large gaps.
- Flexible gap seals for small gaps between cabinets.
- CRAC/CRAH hoods (chimneys) to guide return air back to air units.



Custom field cutout capabilities, Ex. cable pathway



Dual-sliding vertical panels for top of cabinet access.



Compatible with varying in-row rack sizes.



Effective deployments for AI (GPU) applications.

Services

DEDICATED SUPPORT

The Enconnex team partners with every customer throughout the design and deployment process to ensure their containment configuration delivers meaningful thermal management results.

Service Menu:

- **Drawings and submittals.** Our team provides 3D modeling to ensure correct pre-production specs.
- **Production.** All manufacturing is done in-house from our US-based factory.
- **Installation.** We have a team of expert installers ready to travel worldwide.
- **Logistics.** We have deep relationships with global supply chain partners and a dedicated team committed to timely order fulfillment.
- **Quality.** All hard containment products are backed by a two-year warranty to ensure optimal quality.
- **Support.** Our team is always available to troubleshoot issues or help plan for reconfiguration.

Request a Quote:

- Contact sales@enconnex.com to get started.
- Visit enconnex.com to learn more about Enconnex and our [aisle containment](#) solutions.

