

Vertiv™ Aisle Containment System



Simple, Flexible, and Efficient Containment for Every Data Center

Benefits

Put Aisle Containment Anywhere You Need It

Aisle containment solutions that prevent hot and cold air from mixing have long been a proven strategy for boosting cooling system efficiency and capacity while enabling increased IT equipment density. But configuration and installation challenges have put the solution out of reach for many applications, including edge IT sites.

Designed for complete flexibility, the Vertiv™ Aisle Containment System eliminates these challenges and makes the advantages of aisle containment achievable in any data center environment. The free-standing, rack-independent containment solution works equally well on raised floors or slab data centers and can be quickly configured to create highly efficient, self-contained IT environments and support your IT cooling needs from the core to the edge.

- Completely configurable, easy-to-install free-standing aisle containment solution fits any application
- Deployable before rack installation, allowing for roll in and roll out of prepopulated racks
- Accommodates future IT growth and the addition of new racks
- Enables both hot and cold aisle containment
- Eliminates mixing of hot and cold air, ensuring uniform, predictable temperature to all IT equipment
- Increases cooling system efficiency by 30+% and available cooling capacity by 25+%
- Enables 30+% increase in IT equipment density
- Low initial investment with a payback of 2 years or less

The Vertiv™ Aisle Containment System simplifies aisle containment in data centers both large and small. With the flexibility to quickly and easily configure and assemble a solution for your current and future IT equipment needs, the cost-effective system easily adapts to perfectly fit your application. The full efficiency and capacity advantages of containment are now available anywhere, from colocation, to enterprise and hyperscale data centers, to edge locations.

Simplify your aisle containment strategy at every step.

Right from the start, the Vertiv Aisle Containment System makes your job easier. Standardized components and our guided self-configuration tool make ordering simple while off-the-shelf components expedite delivery. When the system arrives, it's easy to assemble on your own with no construction required. Or choose to have the Vertiv experts put the system together. Either way, it can be deployed before pre-integrated racks are installed, speeding deployment of new data center equipment. If you need to add more racks later, no problem. Blanking panels can fill open spaces and be easily replaced with equipment racks when additional capacity is required.

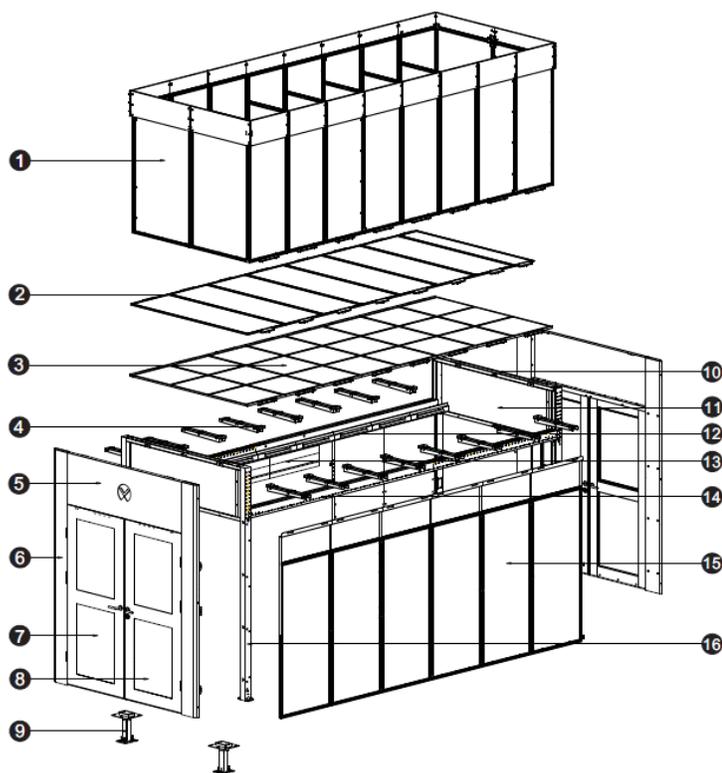
Meet varied user and site requirements.

The Vertiv Aisle Containment System is designed with adaptability in mind. It can accommodate perimeter and row-based cooling and can be used for either hot aisle or cold aisle containment. Adjustable posts support different rack heights while telescoping horizontal aisle-length beams let you easily fit the solution into your

space and around your racks and equipment. Choose from sliding or swinging doors and three different roofing options to match your airflow management approach. Customize even further with blanking panels and height adjusters, above-rack cable management accessories, and lighting fixtures.

Increase efficiency and control costs right from the start.

Preventing hot and cold air from mixing is one of the most effective ways to optimize cooling efficiency and increase cooling capacity, enabling greater IT equipment density. The Vertiv Aisle Containment Systems dramatically reduces ongoing operating expenses. Thanks to the standardized kit of parts, it keeps your up-front capital costs low, too. And the payoff is quick. With Vertiv Aisle Containment System, you get a solution that fits your application and your budget.



1. Vertical Duct (optional)

2. Fixed Roof (optional)

3. Shrink Roof (optional)
Translucent, thermal drop out, or ducted roof options enable different approaches to fire suppression and airflow management.

4. Cantilever Arm:
Optional accessory arms support cable trays, fiber runners, busways, and other cable management options.

5. Door Header

6. Door Frame

7. Left Door

8. Right Door
Swing or sliding lockable doors let you customize the right solution for your application.

9. Floor Stand:
Optional raised floor stands provide weight-bearing support and enhanced stability.

10. Width Beam

11. Width Panel
Choose flexible aisle widths of 3ft (900mm), 4ft (1200 mm), or 6ft (1800mm).

12. Lighting Kits:
Optional lighting fixtures are available for environments that lack overhead lights.

13. Height Adapter:
Use height adapters and height adapter brush to fill the gaps in the height direction of enclosures and the horizontal extendable beams.

14. Extendable Beam:
Horizontal telescoping 10-16 ft (3048-4087 mm) beams adapt to any aisle length.

15. Blanking Panel:
Choose from a full complement of blanking panels to fill open spaces and gaps until additional equipment is added.

16. Vertical Post

Standardized components simplify ordering and expedite delivery. Ask your Vertiv partner to guide you through our simple configuration process and take advantage of aisle containment designed to meet your unique needs.