

ATISLELOK®

AisleLok® Modular Containment Bi-Directional Doors

Part Number

10163-42	48" (1200 mm) X 42U Bi-Directional Doors
10163-45	48" (1200 mm) X 45U Bi-Directional Doors
10163-48	48" (1200 mm) X 48U Bi-Directional Doors
10163-50	48" (1200 mm) X 50U Bi-Directional Doors



Applications

The AisleLok® Bi-Directional Doors are a key component in Upsite's AisleLok® Modular Containment solution. The doors can be used with or without the AisleLok® Rack Top Baffles; however, for maximum benefit both products are recommended.

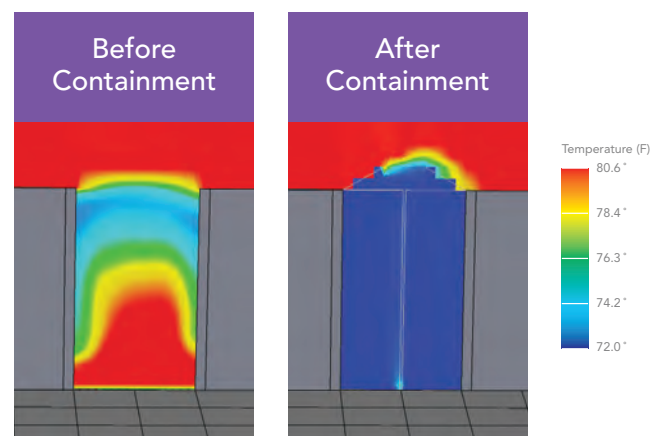
- Can be used for either the hot or cold aisle, or stand-alone equipment.
- Simple installation and modular design allows doors to easily be removed, relocated, or repositioned as your computer room evolves.
- Consists of matching LH and RH door panels with bi-directional swinging hinges.
- Works best when the opposing rows of racks end evenly, but also can provide significant benefit when used on uneven or individual rows.
- Beneficial in both raised-floor and slab data center environments.

Features

- Standardized off-the-shelf design, available in common rack heights.
- No tools required for installation; attaches directly to side of the end-aisle cabinet using twist-locking magnets.
- Quick and easy mounting allows for minimal disruption to the data center.
- Rugged, high quality design enhances professional aesthetics of the computer room.
- See-through doors provide maximum visibility in and out of the aisle.
- Hands-free operation allows equipment carts to be pushed directly through the doors without the need to first slide or swing open the doors by hand.
- Includes attached door stops to hold doors open as needed.
- UL94 flame rated materials.

Benefits

- Supports reduced energy costs by providing the opportunity to increase set point temperatures and/or turn off cooling units or reduce fan speeds.
- Supports increased reliability and availability of IT equipment by reducing server intake temperatures.
- Allows for higher rack densities.
- Prevents hot air recirculation.
- Flexible design allows the containment system to adapt as the computer room evolves.
- Lower initial cost than traditional containment.
- Modular design and out-of-the-box installation does not require 3rd party design, engineering, or construction, which minimizes computer room disruption.



CFD analysis shows a significant reduction in hot air recirculation when Bi-Directional Doors are applied in conjunction with Rack Top Baffles at the end of the cold aisle.

Specifications

Part Number	Description	Dimensions	Quantity per Carton	Shipping Weight
10163-42	48" X 42U Bi-Directional Doors	34.25" x 4" x 78" (869.95mm x 101.6mm x 1981.2mm)	1 set (2 doors)	72 lbs.
10163-45	48" X 45U Bi-Directional Doors	34.25" x 4" x 83.25" (869.95mm x 101.6mm x 2114.55mm)	1 set (2 doors)	74 lbs.
10163-48	48" X 48U Bi-Directional Doors	34.25" x 4" x 88.5" (869.95mm x 101.6mm x 2247.9mm)	1 set (2 doors)	76 lbs.
10163-50	48" X 50U Bi-Directional Doors	34.25" x 4" x 93.75" (869.95mm x 101.6mm x 2381.25mm)	1 set (2 doors)	78 lbs.

- Designed for 48" (1200mm) wide aisles, but can also provide benefits for wider aisles.
- The AisleLok® Bi-Directional Doors are suitable for most enclosed cabinets with steel side panels.
- The AisleLok® Bi-Directional Doors require a minimum 6" clearance from the front edge of the cabinet along its entire height for the hinges to attach.

Material

- Features a clear polycarbonate panel mounted to PC/ABS molded plastic panels and supports.

Fire Rating

AisleLok® Modular Containment components are designed with UL94 flammability rated materials. The open-sealing architecture of AisleLok® was designed to be compliant with data center fire codes. Approval for using the AisleLok® Modular Containment solution may vary greatly at the state and local level. As with the installation of any containment method, the final approval for compliance resides with the local authority having jurisdiction (AHJ).

Patent

- U.S. and international patents pending.

AisleLok® Modular Containment

AisleLok® Modular Containment is the industry's first modular containment solution designed to offer the airflow management benefits of hot and/or cold aisle isolation, but with greater flexibility and price value than traditional containment solutions. The AisleLok® Modular Containment solution is comprised of Rack Top Baffles, Bi-Directional Doors, and the Adjustable Rack Gap Panel.



Designer and Manufacturer
888.982.7800
www.upsite.com