BI-DIRECTIONAL DOORS

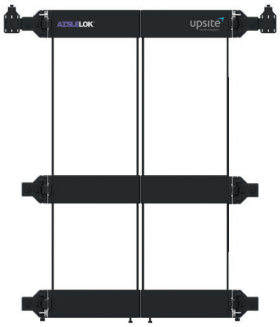
PRODUCT OVERVIEW

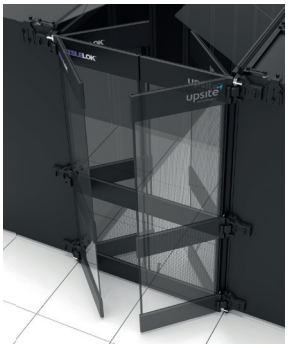
Application

The AisleLok® Bi-Directional Doors are a key component of 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 Centre environments.





Part Numbers

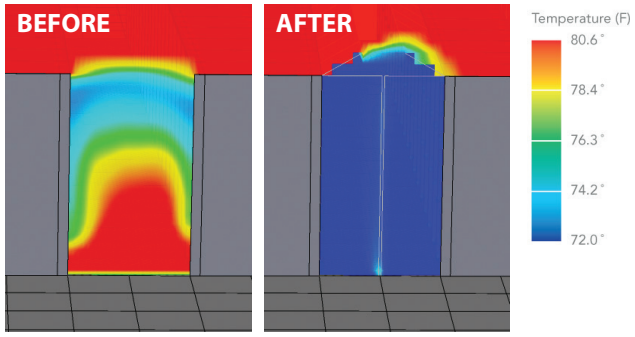
46-10163-42 1,200mm (48") x 42U Bi-Directional Doors
46-10163-45 1,200mm (48") x 45U Bi-Directional Doors
46-10163-48 1,200mm (48") x 48U Bi-Directional Doors
46-10163-50 1,200mm (48") x 50U Bi-Directional Doors

Features

- Standardised 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 centre.
- 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.
- UL94V 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 minimises 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.

BI-DIRECTIONAL DOORS

Specifications

Part Number	Description	Dimensions (W x D x H)	Qty Per Carton	Shipping Weight
46-10163-42	1,200mm (48") x 42U Bi-Directional Doors	870mm x 102mm x 1,981mm	1 Set (2 doors)	72lbs / 32.7Kg
46-10163-45	1,200mm (48") x 45U Bi-Directional Doors	870mm x 102mm x 2,115mm	1 Set (2 doors)	74lbs / 33.6Kg
46-10163-48	1,200mm (48") x 48U Bi-Directional Doors	870mm x 102mm x 2,248mm	1 Set (2 doors)	76lbs / 34.5Kg
46-10163-50	1,200mm (48") x 50U Bi-Directional Doors	870mm x 102mm x 2,381mm	1 Set (2 doors)	78lbs / 35.4Kg

- Designed for 1,200mm (48") 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 153mm (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 moulded plastic panels and supports.

Patent

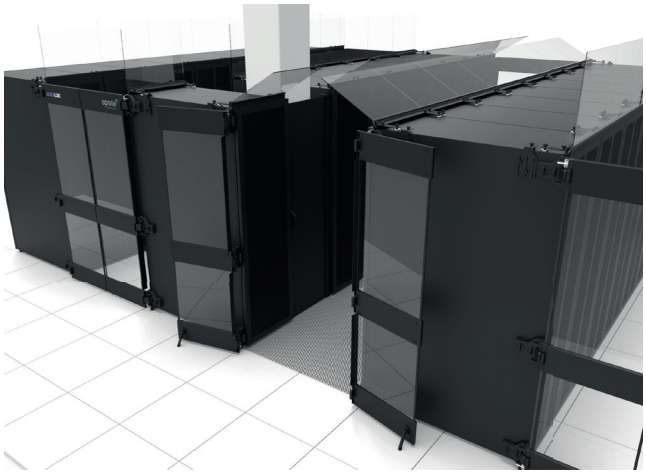
- U.S. and international patents pending.

Fire Rating

- AisleLok® Modular Containment components are designed with UL94V flammability rated materials.
- The open-sealing architecture of AisleLok® was designed to be compliant with Data Centre fire codes.
- Approval for using the AisleLok® Modular Containment solution may vary greatly at country and local level.
- The AisleLok® Modular Containment solution is suitable in most Data Centres using gaseous fire suppression systems.

AisleLok® Modular Containment

AisleLok® Modular Containment is an out-of-the-box modular aisle containment solution designed to offer the airflow management benefits of hot and/or cold aisle isolation, but with greater flexibility and plug and play installation. The AisleLok® Modular Containment solution is comprised of Rack Top Baffles, Bi-Directional Doors, and the Adjustable Rack Gap Panel.



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