ATSLELOK®

AisleLok® Sliding Doors

Part Number

10155-450 4' Sliding Doors, Black (42U-45U)
10255-450 4' Sliding Doors, White (42U-45U)

Applications

The AisleLok® Sliding 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.
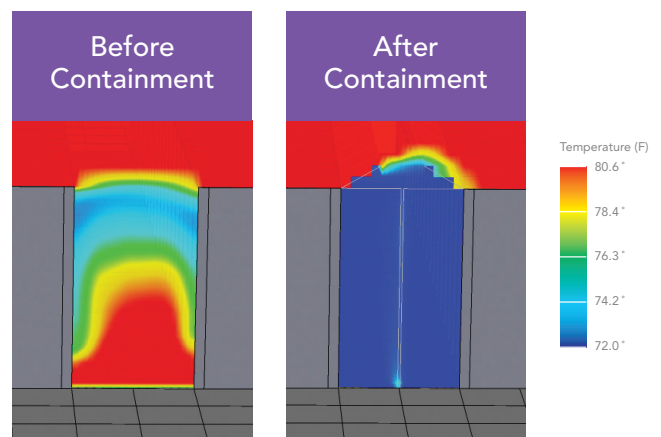
- Can be used for either the hot or cold aisle, or stand-alone equipment.

- 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 gravity-assisted slide rails.

- Works best when the opposing rows of racks end evenly, but can also be used on uneven rows with the AisleLok® Adjustable Mounting Post (10169).

- Beneficial in both raised-floor and slab data center environments.

Features

- Standardized off-the-shelf design, accomodates common rack heights. An optional Transom Window can be paired with the Sliding Doors to increase the effective height.

- No tools required for installation; attaches directly to side of end-aisle cabinets using exclusive Magswitch® technology.

- 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.

- Includes a Stay Open Mechanism to hold doors open as needed.

- Standard in black or white, custom colors are available.

- Flame rated materials (see next page for details).

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.

- Tool-less installation with no drilling required. Optional mechanical installation is available.

- 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.

Before Containment	After Containment	Temperature (F)
		80.6°
		78.4°
		76.3°
		74.2°
		72.0°

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

Specifications

Part Number	Description	Dimensions	Components Included	Shipping Weight
10155-450	4' Sliding Doors, Black	56" x 4.63" x 84.47" (1422mm x 118mm x 2146mm)	1 Set (2 Doors)	170 lbs.
10255-450	4' Sliding Doors, White	56" x 4.63" x 84.47" (1422mm x 118mm x 2146mm)	1 Set (2 Doors)	170 lbs.

- The 4' Sliding Doors are designed for aisle widths of 3' 10" to 4' 6" (1168mm to 1372mm).
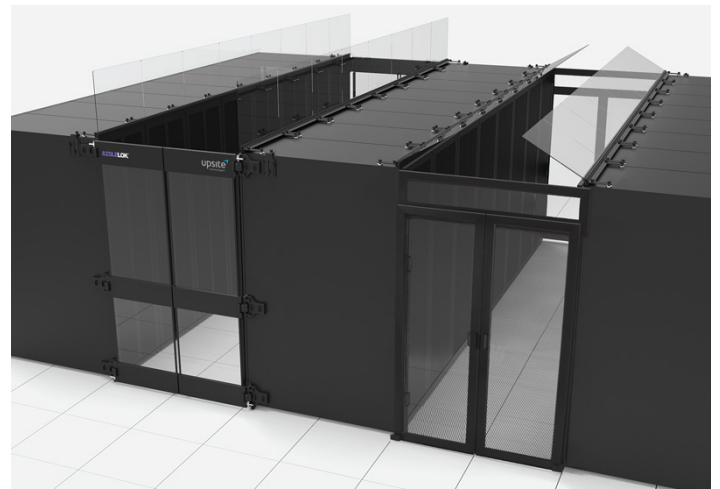
Material

- Features clear polycarbonate panels, extruded aluminum support structure, and Magswitch®* magnetic attachments.

Fire Rating

We've designed the AisleLok® Sliding Doors to accept panels with a variety of flammability ratings, including UL 94 HB (standard), UL 94 V-0 (custom), or FM 4910 (custom). AisleLok® Modular Containment was designed to be compliant with data center fire codes, however approval 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).

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, Sliding Doors/Bi-Directional Doors, Modular Walls, and Adjustable Rack Gap Panels.

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