

# ATISLELOK®

## AisleLok® Modular Containment Rack Top Vertical Baffle

### Part Number

|            |               |                          |
|------------|---------------|--------------------------|
| 10161-24   | 24" (600mm)   | Rack Top Vertical Baffle |
| 10161-27.5 | 27.5" (700mm) | Rack Top Vertical Baffle |
| 10161-30   | 30" (750mm)   | Rack Top Vertical Baffle |
| 10161-31.5 | 31.5" (800mm) | Rack Top Vertical Baffle |



### Application

The AisleLok® Rack Top Vertical Baffles (90° from horizontal) are a key component of Upsite's AisleLok® Modular Containment solution.

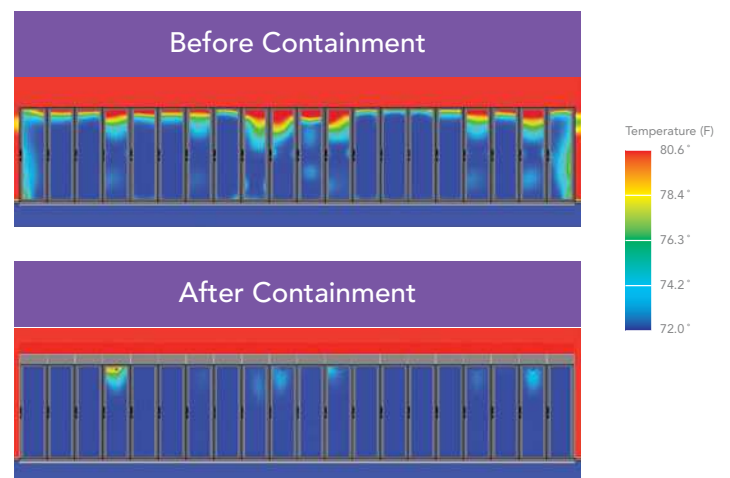
- The Vertical Baffles are designed for hot aisle application.
- Quick and easy magnetic mounting allows for a fully deployed containment solution in minutes, with minimal disruption to the computer room.
- Simple installation and modular design allows AisleLok® Modular Containment components to easily be removed, relocated, repositioned, and reused as your data center needs change.

### Features

- Fits common rack widths, allowing for easy, off-the-shelf ordering.
- Can be installed directly out-of-the-box without any tools.
- Attaches directly to top of the rack magnetically.
- Clear material construction provides maximum light transmissibility.
- Adjustable magnetic mounting tails can be positioned to fit the top of most cabinets.
- Baffles can be reconfigured as needed.
- Does not interfere with most overhead cabling configurations.
- UL94 flammability 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 evenly distributed temperatures and reduced hot spots after the installation of Rack Top Angle Baffles in the cold aisle.

## Specifications

| Baffle                         | Measures               | Fits                        |
|--------------------------------|------------------------|-----------------------------|
| 24" Rack Top Vertical Baffle   | 23.6"W X 7"D X 19.8"H  | 24" (600mm) Wide Cabinets   |
| 27.5" Rack Top Vertical Baffle | 27.45"W x 7"D x 19.8"H | 27.5" (700mm) Wide Cabinets |
| 30" Rack Top Vertical Baffle   | 29.5"W X 7"D X 19.8"H  | 30" (750mm) Wide Cabinets   |
| 31.5" Rack Top Vertical Baffle | 31.25"W X 7"D X 19.8"H | 31.5" (800mm) Wide Cabinets |

- The Rack Top Vertical Baffles do not overhang the aisle.
- Both Rack Top Baffles require a minimum of 1 inch unobstructed depth across the entire front edge of the cabinet for secure attachment.
- Additionally, the 2 attachment fixtures on each baffle require a 1.5" x 5.5" unobstructed area on the top of the cabinet. These attachment mounts allow a high degree of flexibility across the top of the cabinet to work around obstructions.
- The Rack Top Baffles are suitable for most standard width cabinets with solid, perforated or semi-solid steel tops. The baffles will not work with aluminum framed cabinets or open framed racks.

## Material

The AisleLok® Rack Top Baffle features a clear polycarbonate panel mounted to a rigid PVC extrusion base. The magnetic tails are constructed of a PC/ABS material.

## Fire Rating

- AisleLok® Modular Containment components are designed with UL94 flammability rated materials.
- The AisleLok® Modular Containment solution is suitable in most data centers using gaseous fire suppression systems. 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.

## Weight

| Part Number | Packaged Weight | Unpackaged Weight |
|-------------|-----------------|-------------------|
| 10161-24    | 15 lbs          | 13 lbs            |
| 10161-27.5  | 16 lbs          | 13.5 lbs          |
| 10161-30    | 17 lbs          | 14 lbs            |
| 10161-31.5  | 18 lbs          | 15 lbs            |



## 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

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