

Foldable baffle for network cabinets



Article Overview

Foldable baffles are airflow management devices installed in network cabinets to direct cool air to equipment intakes and prevent hot air recirculation, improving cooling efficiency and reducing energy costs.

Function and Benefits

Foldable baffles, also known as airflow baffles or ducting kits, are designed to control the path of air within network racks. They are typically installed along the sides, top, and bottom of the cabinet to ensure that cool intake air passes directly through the mounted equipment rather than bypassing it, which maximizes cooling efficiency and prevents hot spots. By preventing air leakage and recirculation, these baffles help maintain consistent cold aisle and hot aisle separation, reducing the risk of overheating and lowering cooling costs.

Product Examples

- **Tripp Lite SRSWITCHDUCT:** This rackmount ducting kit pulls air from the front of the rack and directs it to the side intake of network switches. Each duct is 2U tall, with one above and one below the equipment. Foam baffling is included to create a hot air exhaust pathway, preventing hot air from recirculating back to the cold aisle. Installation is quick with included mounting hardware, and the kit comes with a 5-year warranty.
- **Mighty Mo 20 Airflow Baffles:** These baffles mount between racks and direct intake and exhaust air from cold aisle to hot aisle. Their angled design reduces back pressure and uses less space than traditional square duct systems. They are made f...

Article Content

What is baffle? | Definition from TechTarget

What is a baffle? In data center hot-aisle containment, a baffle is anything that disturbs the flow of air through a room,

Air Baffles | nVent SCHROFF

Air Baffles | 19" Cases Components Austria / Österreich English Deutsch Azerbaijan English Belarus English Belgium / België /

Rack Airflow and Cooling | RackSolutions

RackSolutions offers a variety of rack accessories to assist in airflow and cooling within your server rack. Shop blanking panels, rack

Innovative Baffle Solutions for Efficiency and Safety

Boyd's baffle-based cooling solutions offer several significant advantages for enterprise data centers, ensuring optimal performance,

Data Center Rack Top Angle Baffles

AisleLok® Rack Top Baffles are a key component of Upsite's AisleLok Modular Containment solution and are available in two

MaxRack Air Baffle and Cable Managers for CISCO Switch

MaxRack Air baffle and Vertical Cable Manager accessory kits ensure CISCO switch compliance. They provide the required cold air

Raised Floor Baffle

Flexible and scalable raised floor partition system solves dynamic thermal imbalances in data centers by directing or blocking airflow

28" Benner Nawman Plastic WiFi-Friendly Foldable Structured Wiring Cabinet

The 28" Benner Nawman Plastic WiFi-Friendly Structured Wiring Cabinet ships flat, assembles in minutes, installs easily and best of

Network Racks

A flexible solution for every networking challenge nVent network racks & cabinets: the essential foundation for your IT infrastructure,

AisleLok Rack Top Vertical Baffles

Fits common rack widths, allowing for easy, off-the-shelf ordering Can be installed directly out-of-the-box without any tools Attaches

SmartRack Side Airflow Ducting Kit for Network Switches | Eaton

The SRSWITCHDUCT is a rackmount, ducting kit that pulls air in from the front of the rack and directs it to the side intake on

Data Networking Wall Mounted Cabinets | nVent HOFFMAN

Data Networking Wall Mounted Cabinets Versatile and configurable wall-mount cabinets to protect network equipment. Quick

PlenaForm Baffle System

PlenaForm Baffle System The PlenaForm® Baffle System is an effective raised floor partition system for controlling air flow

Network Racks and Cabinets

Network Racks and Cabinets are essential for any network. Cabinets are used for storing routers, patch panels, switches and a wide

MONACOR: Open baffle: a speaker revival

Speaker cabinets were not added until later, thus designing speaker systems that are closed on all sides. These still dominate the

RJB Speaker Design Method

Baffle Layout and Cabinet Construction In this section I will discuss how to determine the baffle dimensions and driver locations for

Raised Floor Baffle Kit

The Venturi effect is attained as air flow distribution is directed from the CRAC units to further distances, improving equipment

Racks and Cabinets | nVent HOFFMAN

nVent HOFFMAN provides high quality, configurable racks and cabinets designed for any Data Center and Networking application.

Network Cabinets for Secure IT Equipment Enclosures | RSP Supply

Explore network cabinets for secure, organized housing of switches, servers, and IT equipment in commercial and industrial

Enterprise data center cooling: Innovative baffle solutions for ...

Boyd's innovative baffle-based solutions play an essential role in enhancing data center cooling and electrical safety. By directing

Acoustic Ceiling Baffles | Acoustic Baffle Panels

ZenRack™ Acoustic Baffle Panels are crafted expertly to address common acoustic challenges like excessive noise, echoes, and

Vertical Baffle Panels

Explore Cool Shield's Vertical Baffle Panels, engineered to optimize airflow management and enhance cooling efficiency in data

High density network rack overview flyer

High density network rack (HDNR) system maximizing data center flexibility, density and reliability Eaton's B-Line series High Density

Contact Us

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