

Cold Aisle Computer Room NEMA4X Manufacturers



AI Overview

Leading manufacturers of Cold Aisle Containment systems compatible with NEMA 4X enclosures include EDP Europe, Vertiv, Maysteel, Armstrong, and Armagard. Key Manufacturers and Solutions EDP Europe specializes in bespoke hot and cold aisle containment systems for data centers of all sizes. Their solutions are modular, scalable, and can be floor-standing or ceiling-suspended. EDP's Cold Aisle Containment (CAC) systems are designed to isolate cold air supply from hot exhaust, improving cooling efficiency and reducing thermal stress on equipment. They offer global support and turn-key installation services, making them suitable for both retrofit and new builds. Vertiv provides freestanding, rack-independent aisle containment systems adaptable to both hot and cold aisles. Their systems can be deployed before or after rack installation, simplifying installation and supporting a variety of cabinet heights. Vertiv products are backed by a 3-year warranty and are designed to integrate with existing fire suppression systems. Maysteel Industries manufactures DAMAC aisle containment systems and server racks in North America. Their solutions are customizable, cost-effective, and designed for efficient deployment. Maysteel emphasizes modularity, allowing integration with cable routing systems, overhead busways, and both hot and cold aisle configurations. Armstrong offers Cool Shield™ aisle containment solutions, including floor-mounted structures, framed panels, modular partitions, and containment doors. Their systems are designed for long-term performance, scalable data center builds, and efficient separation of hot and cold airflows. Armstrong emphasizes American-made reliability and premium-grade materials. Armagard produces NEMA 4X-rated enclosures suitable for harsh environments. Their enclosures are waterproof, dustproof, and co...

Article Content

Data Center Hot/Cold Aisle Containment Systems | Eaton

An aisle containment system is a simple way to improve cooling efficiency in hot aisle/cold aisle rack configurations. Essentially creating a room within the aisle,

NEMA 4X Enclosures | McMaster-Carr

Choose from our selection of NEMA 4X enclosures, including over 6,800 products in a wide range of styles and sizes. Same and Next Day Delivery.

NEMA Enclosures: Types, Sizes & Uses | IQS Directory

NEMA PC enclosures are designed to house and protect industrial computers, computer boards, monitors, keyboards, and peripherals. They are

Trane Debuts In Server Row Solutions For Temperature

The cool high-density server racks for data centers and computer rooms manage hot spots in a targeted way. Available in two configurations,

Industrial NEMA Enclosures | CPI RMR Solutions | Chatsworth

Protect equipment with CPI's industrial NEMA enclosures for harsh environments. RMR enclosures offer NEMA 4, 4X, 12 ratings and UL certification. Learn more.

Aisle Containment | Vertiv Hot/Cold Aisle Containment

Product Vertiv™ Aisle Containment Freestanding, Rack-independent system with the flexibility to maximize efficiency and capacity from the core to the edge for

NEMA 4X Enclosure | NEMACO™

NEMACO NEMA 4X enclosures are built from 304 or 316 stainless steel with ASTM A967 passivation for superior corrosion resistance. American made with thermal

Chatsworth Data Center Solutions Brochure

Since 1991, CPI has provided innovative infrastructure solutions that surpass industry standards in quality, flexibility, customization and ease of use. Our commitment to work with data center

NEMA Ratings Guide for Enclosures | topcabinet

Understand NEMA ratings for enclosures—dust, water, corrosion and hazardous locations. Find a clear NEMA chart, IP equivalents, and a

NEMA Enclosure Types: Ratings, IP Comparison

Master NEMA enclosure types (1, 3R, 4, 4X, 12). Compare NEMA vs IP ratings and select the right electrical enclosure for safety and compliance.

Hot/Cold Aisle Containment | Data Center Containment

Then observe the unique layout and architecture of each computer room to discover conditions that make hot aisle or cold aisle containment preferable. With

NEMA 4 TITAN Computer Enclosure

The NEMA 04 IceStation TITAN computer enclosure will protect electronics from dust, dirt, grease, harsh corrosives, and hose directed water.

Hot Aisle Containment vs. Cold Aisle Containment:

Implementation of both hot and cold aisle containment does not reduce the volumetric flow rate of bypass airflow in a computer room. When cold

NEMA 4X Rating | Understanding NEMA 4x Enclosures

Learn about the NEMA 4X rating, its benefits, and how NEMA 4 enclosures provide superior protection against harsh environments. Discover

What are hot and cold aisles in the data center?

Hot/cold aisle layout By contrast, when racks are grouped so that heating and cooling sides alternate, it creates hot and cold aisles as shown in

Aisle Containment for IT Infrastructure

Rittal's new aisle containment line solves these problems with a modular, standards-based design that integrates easily with existing racks, cabling, HVAC, and

NEMA-Rated Enclosures | Vililong

NEMA-Rated Enclosures Manufacturer We manufacture high-quality NEMA-rated enclosures designed to protect electrical components

Ice Qube, Inc.

Our passionate team of designers, engineers, manufacturers, and sales associates, work hard to provide you with the most advanced, highest quality service, and

Aisle Containment Systems for Hot & Cold Aisle Solutions

Cool Shield Aisle containment solutions reduces server row temperatures in active data centers. Learn more about the benefits of hot and cold containment.

Cold Aisle Containment in Data Centers | Subzero

With cooling provided through a raised floor, this cold aisle containment project uses rigid wall panels in conjunction with the Polar Cap 2 roof system to provide

Cold Aisle Containment | Legrand

By maintaining consistent, predictable temperatures, cold aisle containment minimizes thermal stress and reduces the risk of overheating, improving reliability and extending equipment lifespans.

Insulated & Heated Enclosures – Thermal Protection for

Explore enclosures that feature both thermal insulation and internal heating to shield critical systems from extreme cold, condensation, and ice. Foam-lined or double

NEMA 4X Enclosures | NEMA 4 Rated Electrical Boxes

Discover NEMA 4X enclosures designed for tough environments, offering superior protection with NEMA 4-rated boxes. Shop today!

Altimir – Data Center Solutions

Altimir designs, fabricates, and installs energy-efficient, custom-engineered Hot Aisle and Cold Aisle Containment Systems. Recognized for the quality of its products,

NEMA 4X enclosure, NEMA 4X box

Find your nema 4x enclosure easily amongst the 42 products from the leading brands (RITTAL, ARMAGARD, BOXCO, ...) on DirectIndustry, the industry specialist for your professional purchases.

Custom Data Center Containment Solutions

AIRSEAL is 100% focused on designing, manufacturing, and installing the highest quality, best value containment systems for Data Center Hot Aisle and Cold Aisle

Waterproof Computer Enclosure | NEMA 4X Watertight

Our Waterproof Computer Enclosure safeguards your computer and LCD screen against liquids and dust, making it perfect in food manufacturing, clean room,

NEMA Ratings for Enclosures

At Nema, our knowledge and experience in NEMA-rated enclosures is so extensive, that it's in our name. For more information on NEMA ratings for enclosures,

Contact Us

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