

Fixed Vertical Panels

Solid Vertical Panels to Seal Airflow in the Aisle of a Data Center. Cool Shield aisle containment panels are a very attractive and efficient method for managing the airflow in hot aisle or cold aisle containment applications.



Our proprietary Cool Shield channel is designed to tightly frame the panels for a very effective seal. Panel options (and fire ratings) for our channel include twin-wall polycarbonate (E84 Class 1), solid polycarbonate (UL94), CPVC (FM Global) and metal. Most are offered in clear, translucent or opaque.

Most customers prefer that the aisle containment system does not attach to their server cabinets so they can move cabinets in or out as needed. The Cool Shield channel features threaded slots which can accept standard screws. This allows for great versatility in mounting our system to nearly any existing support including strut, beams, joists or even concrete ceiling.

Specifications

UL 94, ASTM E 84 Class 1 and FM Global fire ratings available

Proprietary channel features threaded and slotted sides for maximum flexibility

Rubberized gasket seals against cabinet tops

Proven designs to allow for vertical displacement up to 3"

Containment panel system can seal in excess of 98% of airflow

Features

Multiple panel materials to meet budget or fire-rating requirements

Panels framed by proprietary Cool Shield channel for maximum rigidity and seal

Solutions to mounting to strut, channel, beams, ceiling grid, cabinets or floor

Clear panels for high light transmission

Multiple options for panel release in event of fire suppression discharge

The Cool Shield aisle containment system consists of hundreds of components which have evolved over the course of helping hundreds of customers get the most out of their cooling infrastructures.

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PANEL OPTION PROPERTIES

Twin Wall Polycarbonate Clear Panels

Property	4mm	6mm
Flammability Rating	ASTM E84 Class A	ASTM E84 Class A
NFPA 75 Compliant	Yes	Yes
FM Rated	No	No
Light Transmission	82%	80%
Weight (per ft.)	.605	.874

Solid Polycarbonate Clear Panels

Property	4mm	6mm
Flammability Rating	UL 94 HB	UL 94 HB (V0 available)
NFPA 75 Compliant	No	No
FM Rated	No	No
Light Transmission	86%	84%
Weight (per ft.)	.983	1.472

CPVC Clear Panels (Blue Tint)

Property	3mm	5mm
Flammability Rating	FM 4910, UL 94 V0	FM 4910, UL 94 V0
NFPA 75 Compliant	Yes	Yes
FM Rated	Yes	Yes
Light Transmission	69%	59%
Weight (per ft.)	.952	1.389

Data Center Resources is committed to providing leading edge products and services.
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