

Net-Contain™ Universal Single Row Aisle Containment System

specifications

The universal single row containment system shall be configurable to roof containment (mostly used for CAC) and vertical wall containment (mostly used for HAC). The system shall be compatible with single row of cabinets; other side of the row can be wall or cage. Compatible with all major cabinet brands and sizes. This system shall be a floor mounted free structure. The system shall be comprised of wall beams, end-of-row frames, single sliding doors, and ceiling structures for roof containment and wall structures for wall containment. The frame and the structures are independent of the cabinets; hence cabinets can be rolled in/out easily. System height shall be adjustable from 42 RU to 52 RU with expandable containment length. Blanking panels shall be used to seal the area above shorter cabinets. In case of cage on other side of the row and open pod positions shall be sealed with full height blanking panels. This passive system shall contain no moving parts. The system shall be deployed on raised or slab floors.

The modular system shall be capable of being added without disrupting existing in-cabinet equipment and cabling to enable a migration path. This system shall match both current and future data center infrastructure.



technical information

Panduit Thermal Management Solutions are engineered to the highest standards. Our products meet or exceed the most stringent industry standards including ASHRAE and fire code standards (NFPA).

The Net-Contain™ Universal Single Row Containment System will be able to retrofit in a Brownfield (existing Data Center) or Greenfield (new Data Center) application that uses non-Panduit cabinets. Single row containment system compatible with single row of cabinets; other side of the row can be wall or cage. Offering includes Roof Containment / Cold Aisle Containment (CAC) and Vertical Wall Containment / Hot Aisle Containment (HAC).

features and benefits

Floor mounted, Free structure	Can be deployed in new (Greenfield) or existing (Brownfield) data center applications; cabinets can be rolled in/out of position in the aisle without disturbing the structure
Height adjustable frame	Cabinets from 42 RU to 52 RU
Hot Aisle or Cold Aisle	Configurable to roof containment and vertical wall containment
Compatible with any brand of cabinets	Cabinets (server, switch, or storage) from differing manufacturers with differing heights, widths, and depths
Full or partial pod	Able to deploy containment if fully populated or partial/ non-populated POD
Raised or slab floor	Allows deployment in any type of data center
Expandable pod length	Frame support is configurable to accommodate different pod lengths; one containment system, to match both your current and future DC infrastructure
Tool-less full or top of cabinet blanking panels	Seal containment in absence of cabinet in the POD; seal top of cabinet gap between frame and cabinet
Flexible design	To accommodate building columns within containment space
Single Sliding Door	Provides soft close and hold open, which allows the doors to be in an open position when entering or leaving the aisle

applications

The Net-Contain™ Universal Single Row Containment System will be able to retrofit in a Brownfield (existing Data Center) or Greenfield (new Data Center) application that uses non-Panduit cabinets. Offering includes Cold Aisle Containment (CAC) and Hot Aisle Containment (HAC).

This is an independent containment system that accommodates any manufacturer cabinets of varying heights and widths.

It can be deployed in a full or partial POD. Cabinets can be rolled in and out of position without disturbing the structure.

This passive system contains no moving parts, resulting in a more energy efficient solution than comparable forced-air options.

Net-Contain™ Single Row Containment System

Net-Contain™ End of Row Frame for Roof and Vertical Wall Containment

42/45RU high - 40.5" (1030mm) aisle width	CUSREFRT8B1
48/52RU high - 40.5" (1030mm) aisle width	CUSREFRT9B1

Net-Contain™ Single Sliding Door

Right Hand Opening, Black Left Hand	CUSR1SDRHB1
Opening, Black Right Hand	CUSR1SDLHB1
Opening, Silver Left Hand	CUSR1SDRHS1
Opening, Silver Right Hand	CUSR1SDLHS1

Net-Contain™ End of Row Cap

End-of-Row Cap	CUSREORCPB1
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Net-Contain™ Wall Beam 1 piece

600mm long:	CUWBSS06ST01B1
700mm long:	CUWBSS07ST01B1
800mm long:	CUWBSS08ST01B1
2400mm long:	CUWBSS24ST01B1

Net-Contain™ Wall Beam 2 pieces

600mm long:	CUWBPS06ST02B1
700mm long:	CUWBPS07ST02B1
800mm long:	CUWBPS08ST02B1
2400mm long:	CUWBPS24ST02B1

Net-Contain™ Wall Beam to Wall Seal Kit

Wall Beam-to-Wall Seal Kit 2400mm	CUSRWSK24B1
Wall Beam-to-Wall Seal Kit 800mm	CUSRWSK08B1
Wall Beam-to-Wall Seal Kit 700mm	CUSRWSK07B1
Wall Beam-to-Wall Seal Kit 600mm	CUSRWSK06B1

Net-Contain™ Roof Panels

Roof Panel 600mm	CUSRFRFS06B1
Roof Panel 700mm	CUSRFRFS07B1
Roof Panel 800mm	CUSRFRFS08B1

Net-Contain™ Mid-Span Post

42 RU to 52 RU high:	CUSMPR52ST01B1
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Net-Contain™ Mid-Span Cabinet Support

300mm high:	CUCMSS03ST01NC
600mm high:	CUCMSS06ST01NC

Net-Contain™ Vertical Wall Brace

Vertical Wall Brace	CUSRVWBB1
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Net-Contain™ End of Row Vertical Wall

Adjustable End-of-Row Vertical Wall (38"-66")	CUSRVWER3866B1
Adjustable End-of-Row Vertical Wall (26"-38")	CUSRVWER2638B1
Adjustable End-of-Row Vertical Wall (16"-26")	CUSRVWER1626B1

Net-Contain™ Vertical Wall

Height adjustable 16-26" 600mm Vertical Wall	C2HAC0611626B1
Height adjustable 16-26" 700mm Vertical Wall	C2HAC0711626B1
Height adjustable 16-26" 800mm Vertical Wall	C2HAC0811626B1
Height adjustable 26-38" 600mm Vertical Wall	C2HAC0612638B1
Height adjustable 26-38" 700mm Vertical Wall	C2HAC0712638B1
Height adjustable 26-38" 800mm Vertical Wall	C2HAC0812638B1
Height adjustable 38-66" 600mm Vertical Wall	C2HAC0613866B1
Height adjustable 38-66" 700mm Vertical Wall	C2HAC0713866B1
Height adjustable 38-66" 800mm Vertical Wall	C2HAC0813866B1

Net-Contain™ Universal Single Row Aisle Containment System

product offering

Information required and available options to configure Universal Single Row Aisle Containment:

- Width of the containment aisle – 900mm [Distance from front of cabinet to wall: minimum 1029mm (40.5"); maximum 1200mm (47.25")]
- Single sliding doors size W x H – 1219mm (48") x 2134mm (84")
- Height of containment aisle – 42/45 RU, 48/52 RU
- End-of-Row frame - 42/45 RU, 48/52 RU
- Length of the aisle - unlimited, every 100mm increments (wall beams: 600mm, 700mm, 800mm, 2400mm)
- Wall Beam to Wall Seal kit – Same dimension of wall beams: 600mm, 700mm, 800mm, 2400mm
- End of Row Cap – To seal the gap of one door



Net-Contain™ Universal Single Row Containment Single Sliding Door



Net-Contain™ Universal Single Row Containment End of Row Frame (2 per System)



Net-Contain™ Universal Single Row Containment End of Row Cap



Net-Contain™ Universal Single Row Wall Beam to Wall Seal Kit

Net-Contain™ Vertical Wall Adapter

Vertical Wall Adapter 600mm wide	CUSRVA06B1
Vertical Wall Adapter 700mm wide	CUSRVA07B1
Vertical Wall Adapter 800mm wide	CUSRVA08B1

Net-Contain™ Full Blanking Panel 600mm Wide

42 RU high:	CUFBPR4206HBB1
45 RU high:	CUFBPR4506HBB1
48 RU high:	CUFBPR4806HBB1
52 RU high:	CUFBPR5206HBB1

Net-Contain™ Top of Cabinet Blanking Panel

600mm high x 1000mm wide:	CUTBPR0610HBN1
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Net-Contain™ Cabinet to Floor Seal

Cabinet to Floor Seal 600mm wide cabinet	CUCFS06B1
Cabinet to Floor Seal 700mm wide cabinet	CUCFS07B1
Cabinet to Floor Seal 800mm wide cabinet	CUCFS08B1
Cabinet to Floor Seal 1000mm wide cabinet	CUCFS10B1



Full System View

For Roof Containment:

- Depending on aisle width, decide ceiling structures – 600mm, 700mm, 800mm
- Depending on height of the containment, and width of the aisle, decide End-of-Row frame for roofing – (42/45RU and 48/52RU – 900mm Aisle width only)



Net-Contain™ Universal Aisle Containment Roofing Sections

Net-Contain™ Universal Single Row Aisle Containment System

product offering (continued)

For Vertical Walls Containment:

- Depending on room height, containment height, aisle length, decide vertical walls – (width: 600mm, 700mm, 800mm) (Height: 16"-26", 26"-38", 38"-66")
- Depending on vertical wall size, decide vertical wall adapter – 600mm, 700mm, 800mm
- Depending on vertical wall size, decide end of row adjustable vertical wall – 16"-26", 26"-38", 38"-66"
- Vertical wall brace – 900mm (required for every 2400mm length)
- Depending on height of the containment, and width of the aisle, decide end-of-row frame for vertical walls – (42/45 RU and 48/52 RU – 900mm Aisle width only)



Net-Contain™ Universal Aisle Containment Vertical Wall Adapter



Net-Contain™ Universal Aisle Containment Wall Beams



Net-Contain™ Height Adjustable Vertical Wall

Accessories:

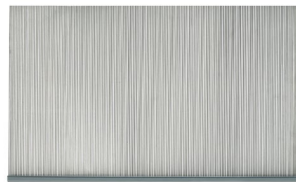
- In absence of cabinets, use full blanking panel to fill the empty space – 600mm x 42 RU/ 45 RU/ 48 RU and 52 RU
- To fill the gap between cabinet and frame use top of cabinet blanking panel
- Mid-Span Post – required for every 2400mm length on partial populated POD
- Mid-Span Cabinet Support – required for every 2400mm length on fully populated POD
- Cabinet to floor seal
- End of Row floor seal



Net-Contain™ Height Adjustable End of Row Vertical Wall



Net-Contain™ Universal Aisle Containment Full Length Blanking Panel



Net-Contain™ Universal Aisle Containment Top of Cabinet Blanking Panel



Net-Contain™ Universal Aisle Containment Mid-Span Post



Net-Contain™ Universal Aisle Containment Mid-Span Cabinet Support

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