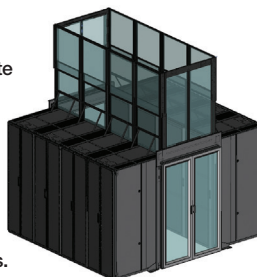# Net-Contain™ Passive Hot Aisle Containment System for N-Type and S-Type Cabinets

specifications

The passive hot aisle containment system shall create a structure including end of row doors and vertical panels that exhaust the hot air between rows of cabinets to segregate cold and hot air streams to and from equipment. This passive system shall contain no moving parts. Designed to exhaust the hot air, the system shall be deployed on raised or slab floors. The system shall leverage existing data center cooling and equipment fans to move the flow of exhaust air and cooling air. The system shall address heat loads up to 20kW per cabinet to enable dense server applications and eliminate data center hot spots versus conventional raised floor cooling systems that manage heat loads up to 7-8kW/cabinet. The modular system shall be capable of being added in Greenfield (Day 1) or Brownfield (Day 2) if there are no overhead barriers.

technical information

Adjustable Vertical Wall for Net-Access™ N-Type and S-Type Cabinets

16" – 26" H:	C2HAC08I1626B1*	406mm – 660mm H x 800mm W
	C2HAC07I1626B1*	406mm – 660mm H x 700mm W
	C2HAC06I1626B1*	406mm – 660mm H x 600mm W
26" – 38" H:	C2HAC08I2638B1*	660mm – 965mm H x 800mm W
	C2HAC07I2638B1*	660mm – 965mm H x 700mm W
	C2HAC06I2638B1*	660mm – 965mm H x 600mm W
38" – 66" H:	C2HAC08I3866B1*	965mm – 1676mm H x 800mm W
	C2HAC07I3866B1*	965mm – 1676mm H x 700mm W
	C2HAC06I3866B1*	965mm – 1676mm H x 600mm W

Adjustable EOR Vertical Wall for Net-Access™ N-Type and S-Type Cabinets

16" – 26" H:	C2HACERI1626B1* 406mm – 660mm H
26" – 38" H:	C2HACERI2638B1* 660mm – 965mm H
38" – 66" H:	C2HACERI3866B1* 965mm – 1676mm H

End of Row Sliding Doors:

4' (1200mm) aisle width:	CUD1SD* 2134 mm H x 1422 mm W Net-Contain™ Dual Sliding Door – 1 Door
	CUD2SD* 2134mm H x 1422mm W- Net-Contain™ Dual Sliding Door – 2 Doors
	*Indicates optional color. Replace * with B1 = Black and S1 = Silver

key features and benefits

Energy efficiency	Prevents hot spots and allows installation of high-density server cabinets close together in new builds or existing data centers reducing the need for extra real estate and CRAC units, lowering operating costs
Optimized airflow distribution	Prevents mixing of cold and hot air streams; eliminates recirculation of hot air to cabinet inlets; provides uniform temperature at the inlets of IT equipment; prevents cold air bypass optimizing cool air delivery
Passive system	Contains no moving parts; provides more efficiency than fan driven products eliminating acoustical noise in the data center for improved system reliability
Improves thermal performance	Allows raising supply air set point temperature; higher return air temperature increases the thermal efficiency of cooling units reducing cooling energy cost up to 25 – 30%
Sliding doors	The doors can be installed in 3' and 4' aisles; which mounts to the Net-Access™ N Type and S-Type 600mm, 700m, and 800mm Cabinets. The sliding doors come with an easy glide track system that allows for the door to stay open when needed and allows for the door easily to close.
Adjustable vertical wall panel	Available in 16" – 26", 26" – 38", and 38" – 66" heights for 600mm, 700mm, and 800mm wide Net-Access™ N-Type and S-Type Cabinets; allows for variable ceiling heights and ease of installation
Adjustable EOR vertical wall panel	Available in 16" – 26", 26" – 38", and 38" – 66" heights for 912mm – 960mm/1000mm/1208mm – 1266mm aisle widths allows for variable ceiling heights and ease of installation

applications

The Net-Contain™ Passive Hot Aisle Containment (HAC) System provides a physical separation between the cold air and the hot exhaust air by enclosing the hot aisle. The goal of a HAC system is to capture all of the cabinet exhaust air and return it to the cooling units. The rest of the room outside of the HAC becomes a cold room with ambient air temperature close to the supply air temperature.

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

This integrated system is compatible with numerous Panduit product lines including; Net-Access™ N-Type and S-Type Cabinets, FiberRunner®, and Wyr-Grid® Overhead Cable Routing Systems.

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Net-Contain™ Passive Hot Aisle Containment System

Adjustable Vertical Wall for Net-Access™ N-Type and S-Type Cabinets

16" – 26"H	
800mm width:	C2HAC08I1626B1*
700mm width:	C2HAC07I1626B1*
600mm width:	C2HAC06I1626B1*
26" – 38"H	
800mm width:	C2HAC08I2638B1*
700mm width:	C2HAC07I2638B1*
600mm width:	C2HAC06I2638B1*
38" – 66"H	
800mm width:	C2HAC08I3866B1*
700mm width:	C2HAC07I3866B1*
600mm width:	C2HAC06I3866B1*

End of Row Sliding Doors:

4" Aisle 1 Door:	CUD1SD*
4" Aisle 2 Doors:	CUD2SD*

Adjustable EOR Vertical Wall for Net-Access™ N-Type and S-Type Cabinets for 912mm/1000mm/1208mm Aisle Widths

16" – 26" H:	C2HACERI1626B1*
26" – 38" H:	C2HACERI2638B1*
38" – 66" H:	C2HACERI3866B1*

Sliding Door Frame Adapter

4' Aisle 42/45 RU tall:	C2SDT8W04DAB1*
4' Aisle 48/51 RU tall:	C2SDT9W04DAB1*

End of Row Caps – 1200mm Aisle Width

42 RU:	C2CEOR04CP2B1
45 RU:	C2CEOR04CP5B1
48 RU:	C2CEOR04CP8B1
51 RU:	C2CEOR04CP1B1

End of Row Caps – 1800mm Aisle Width

42 RU:	C2CEOR06CP2B1
45 RU:	C2CEOR06CP5B1
48 RU:	C2CEOR06CP8B1
51 RU:	C2CEOR06CP1B1

*Indicates optional colors.
Replace * with: B1= Black, W1= White
**Indicates optional colors.
Replace * with: B= Black, W= White
^Note: Drilling into the floor would be required to install the door adapter kit.

Net-Contain™ Passive Hot Aisle Containment System for N-Type and S-Type Cabinets

Adjustable (16" – 26" H, 26" – 38" H, and 38" – 66" H) Vertical Wall for Net-Access™ N-Type and S-Type Cabinets (600mm/700mm/800mm Widths)

Adjustable (16" – 26" H, 26" – 38" H, and 38" – 66" H) EOR Vertical Wall for Net-Access™ N-Type and S-Type Cabinets (912mm - 960mm/1000mm/1208mm - 1266mm Aisle Widths)

Sliding Door Frame Adapter for 4' Door (42 RU up to 51 RU)

End Of Row Dual Sliding Door

Dual Sliding Door

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information
Visit us at www.panduit.com

Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

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