

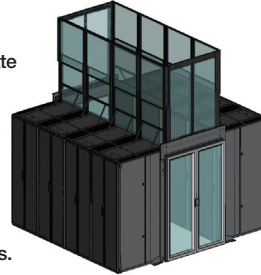
# Net-Contain™ Passive Hot Aisle Containment System for N-Type and S-Type Cabinets

# PANDUIT®

SPECIFICATION SHEET

## 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:** C2HAC0811626B1\* 406mm – 660mm H x 800mm W  
C2HAC0711626B1\* 406mm – 660mm H x 700mm W  
C2HAC0611626B1\* 406mm – 660mm H x 600mm W

**26" – 38" H:** C2HAC0812638B1\* 660mm – 965mm H x 800mm W  
C2HAC0712638B1\* 660mm – 965mm H x 700mm W  
C2HAC0612638B1\* 660mm – 965mm H x 600mm W

**38" – 66" H:** C2HAC0813866B1\* 965mm – 1676mm H x 800mm W  
C2HAC0713866B1\* 965mm – 1676mm H x 700mm W  
C2HAC0613866B1\* 965mm – 1676mm H x 600mm W

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

**16" – 26" H:** C2HACER11626B1\* 406mm – 660mm H

**26" – 38" H:** C2HACER12638B1\* 660mm – 965mm H

**38" – 66" H:** C2HACER13866B1\* 965mm – 1676mm H

### End of Row Sliding Doors:

**3' (900mm aisle width):** CUSR1SDLH\* 2134mm H x 1219mm W Net-Contain™ Single Sliding Door Left Hand Opening  
CUSR1SDRH\* 2134mm H x 1219mm W Net-Contain™ Single Sliding Door Right Hand Opening

**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

<b>Energy efficiency</b>	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
<b>Optimized airflow distribution</b>	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
<b>Passive system</b>	Contains no moving parts; provides more efficiency than fan driven products eliminating acoustical noise in the data center for improved system reliability
<b>Improves thermal performance</b>	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%
<b>Sliding doors</b>	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.
<b>Adjustable vertical wall panel</b>	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
<b>Adjustable EOR vertical wall panel</b>	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.

### Net-Contain™ Passive Hot Aisle Containment System

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

<b>16" – 26" H</b>	
800mm width:	C2HAC0811626B1*
700mm width:	C2HAC0711626B1*
600mm width:	C2HAC0611626B1*
<b>26" – 38" H</b>	
800mm width:	C2HAC0812638B1*
700mm width:	C2HAC0712638B1*
600mm width:	C2HAC0612638B1*
<b>38" – 66" H</b>	
800mm width:	C2HAC0813866B1*
700mm width:	C2HAC0713866B1*
600mm width:	C2HAC0613866B1*

#### End of Row Sliding Doors:

<b>3' Aisle Left Hand:</b>	CUSR1SDLH*
<b>3' Aisle Right Hand:</b>	CUSR1SDRH*
<b>4" Aisle 1 Door:</b>	CUD1SD*
<b>4" Aisle 2 Doors:</b>	CUD2SD*

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

<b>16" – 26" H:</b>	C2HACER11626B1*
<b>26" – 38" H:</b>	C2HACER12638B1*
<b>38" – 66" H:</b>	C2HACER13866B1*

#### Sliding Door Frame Adapter

<b>3' Aisle 42/45 RU tall:</b>	C2SDT8W03DAB1*
<b>4' Aisle 42/45 RU tall:</b>	C2SDT8W04DAB1*
<b>3' Aisle 48/51 RU tall:</b>	C2SDT9W03DAB1*
<b>4' Aisle 48/51 RU tall:</b>	C2SDT9W04DAB1*

#### Net-Access™ N-Type Cabinets

##### 800mm x 45 RU x 1070mm

45 RU, front dual hinge door, rear perforated split doors, (2) side panels, cage nut rails, vertical blanking panels, cable management: N8512BU

45 RU, front dual hinge door, rear perforated split doors, cage nut rails, vertical blanking panels, cable management: N8519BU

##### 800mm x 45 RU x 1200mm

45 RU, front dual hinge door, rear perforated split doors, (1) side panel, cage nut rails, vertical blanking panels, cable management: N8521BU

45 RU, front dual hinge door, rear perforated split doors, cage nut rails, vertical blanking panels, cable management: N8529BU

45 RU, front dual hinge door, rear perforated split doors, (2) side panels, cage nut rails, vertical blanking panels, cable management: N8522BU

##### 800mm x 42 RU x 1070mm

42 RU, front dual hinge door, rear perforated split doors, cage nut rails, vertical blanking panels, cable management: N8219BU

42 RU, front dual hinge door, rear perforated split doors, (2) side panels, cage nut rails, vertical blanking panels, cable management: N8222BU

##### 800mm x 42 RU x 1200mm

42 RU, front dual hinge door, rear perforated split doors, (2) side panels, #12-24 tapped rails, vertical blanking panels, cable management: N8222BM

42 RU, front dual hinge door, rear perforated split doors, #12-24 tapped rails, vertical blanking panels, cable management: N8229BM

#### Net-Access™ S-Type Cabinets

##### 600mm x 42 RU x 1070mm

42 RU, single hinge perforated front door, rear perforated split doors, (2) side panels, casters, pou brackets, cage nut rails: S6212\*\*

42 RU, single hinge perforated front door, rear perforated split doors, (2) side panels, casters, pou brackets, cage nut rails, zero RU QuickNet™ Style Vertical Patching Panels: S6212\*\*P

\*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.

Continued on page 2

# 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 3" and 4' Door (42 RU up to 51 RU)



End Of Row Dual Sliding Door



Dual Sliding Door

End Of Row Sliding Door



Sliding Door

## Net-Access™ S-Type Cabinets

### 600mm x 45 RU x 1070mm

45 RU, single hinge perforated front door, rear perforated split doors, (2) side panels, casters, pou brackets, cage nut rails: S6512\*\*

45 RU, single hinge perforated front door, rear perforated split doors, (2) side panels, casters, pou brackets, cage nut rails, zero RU QuickNet™ Style Vertical Patching Panels: S6512\*\*P

### 600mm x 42 RU x 1200mm

42 RU, single hinge perforated front door, rear perforated split doors, (2) side panels, casters, pou brackets, cage nut rails: S6222\*\*

42 RU, single hinge perforated front door, rear perforated split doors, (2) side panels, casters, pou brackets, cage nut rails, zero RU QuickNet™ Style Vertical Patching Panels: S6222\*\*P

### 600mm x 45 RU x 1200mm

45 RU, single hinge perforated front door, rear perforated split doors, (2) side panels, casters, pou brackets, cage nut rails: S6522\*\*

45 RU, single hinge perforated front door, rear perforated split doors, (2) side panels, casters, pou brackets, cage nut rails, zero RU QuickNet™ Style Vertical Patching Panels: S6522\*\*P

### 700mm x 42 RU x 1070mm

42 RU, single hinge perforated front door, rear perforated split doors, (2) side panels, casters, pou brackets, cage nut rails: S7212\*\*

### 700mm x 45 RU x 1070mm

45 RU, single hinge perforated front door, rear perforated split doors, (2) side panels, casters, pou brackets, cage nut rails: S7512\*\*

45 RU, single hinge perforated front door, rear perforated split doors, casters, pou brackets, cage nut rails: S7519\*\*

### 700mm x 42 RU x 1200mm

42 RU, single hinge perforated front door, rear perforated split doors, (2) side panels, casters, pou brackets, cage nut rails: S7222\*\*

### 700mm x 45 RU x 1200mm

45 RU, single hinge perforated front door, rear perforated split doors, (2) side panels, casters, pou brackets, cage nut rails: S7522\*\*

### 800mm x 42 RU x 1070mm

42 RU, single hinge perforated front door, rear perforated split doors, (2) side panels, casters, pou brackets, cage nut rails: S8212\*\*

### 800mm x 45 RU x 1070mm

45 RU, single hinge perforated front door, rear perforated split doors, (2) side panels, casters, pou brackets, cage nut rails: S8512\*\*

45 RU, single hinge perforated front door, rear perforated split doors, (2) side panels, casters, pou brackets, cage nut rails, cable management fingers: S8512\*\*F

### 800mm x 42 RU x 1200mm

42 RU, single hinge perforated front door, rear perforated split doors, (2) side panels, casters, pou brackets, cage nut rails: S8222\*\*

### 800mm x 45 RU x 1200mm

45 RU, single hinge perforated front door, rear perforated split doors, (2) side panels, casters, pou brackets, cage nut rails: S8522\*\*

\* Indicates optional colors. Replace \* with: B1= Black, W1= White

\*\* Indicates optional colors. Replace \* with: B= Black, W= White

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RKSP135--WW-ENG  
7/2017