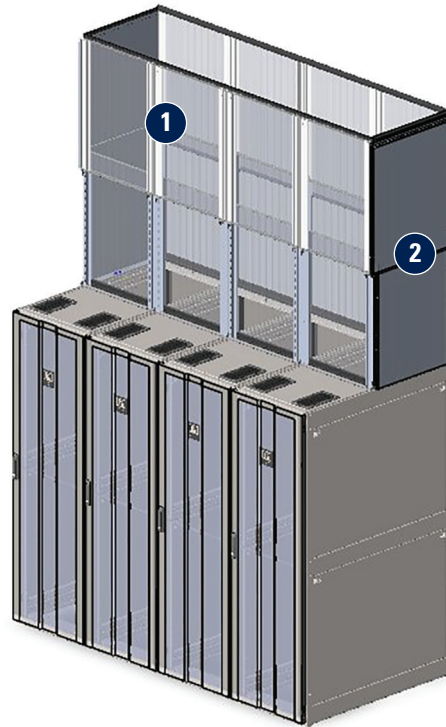


Elevate™ Adjustable Containment Solution for Row Level Vertical Exhaust Duct (VED)

Elevate™ Adjustable Containment Solution for Row Level Vertical Exhaust Duct offers a cutting-edge approach to improving data center efficiency through effective hot air management. This innovative system is designed for a single row of cabinets, forming a sealed pathway that channels hot air from the tops of the cabinets to an overhead drop ceiling, thus creating an efficient closed hot air return system. The solution features a telescoping two-piece panel that precisely fits between the cabinet roof and the ceiling, allowing for seamless adjustment to form a duct connecting the ZetaFrame® cabinet to the ceiling and eliminating the need for custom modifications on-site.



- 1 (14500-XXX) Adjustable Containment Solution Panels** – Adjustable Containment Solution Panels mount effortlessly on top of a row of cabinets to create a Vertical Exhaust Duct. The panels feature a unique telescoping design that allows infinite adjustment within the specified height range. Panels are sized to match the width of each cabinet. Two panels are required per cabinet.
- 2 (14520-XXX) Adjustable Containment Solution End of Row Duct Panels for Row Level Vertical Exhaust Duct (VED)** – Panels mount to the top of a single row of cabinets to create a shared Vertical Exhaust Duct. The panels allow infinite adjustment within the specified height range. The panels mount to the side of 14500-XXX Adjustable Containment Solution Panels to create the Vertical Exhaust Duct. Two kits are required per row to complete both ends of the duct.

Containment Accessories

- Brush Kit

Cabinet Accessories

- Snap-In Filler Panels
- Raised Floor Grommet

Availability: US, Canada, Latin America, Europe, Middle East & Africa

United States & Canada

Simi Valley, CA
800-834-4969
Toronto, Ontario, Canada
+905-850-7770
chatsworth.com
techsupport@chatsworth.com

Latin America

Mexico City, Mexico
+52-55-5203-7525
Toll Free within Mexico
800-201-7592
chatsworth.com.co

Europe

Buckinghamshire
England, UK
+44-1628-524-834

Middle East & Africa

Dubai, UAE
+971-4-2602125
Doha, Qatar
+974-4-267422

Asia Pacific

Jing'an District,
Shanghai, China
+86 21 6880-0266
chatsworth.com.cn

SOLUTION OVERVIEW

The Adjustable Containment Solution, tailored for row-level Vertical Exhaust Duct applications, significantly enhances airflow by creating an expansive VED for an entire row of cabinets. This application eliminates the need for containment doors, allowing open aisles. This innovative design reduces equipment noise, eliminates the necessity for a hot aisle, and maintains room temperature within ASHRAE's upper limit, ensuring optimal performance and efficiency.

•Telescoping Design:

- Versatile design that easily adjusts to form a duct connecting the ZetaFrame cabinet to the ceiling
- Flexibility to adjust the containment height as needed, minimizing complexity and maximizing efficiency

•Time to Deploy:

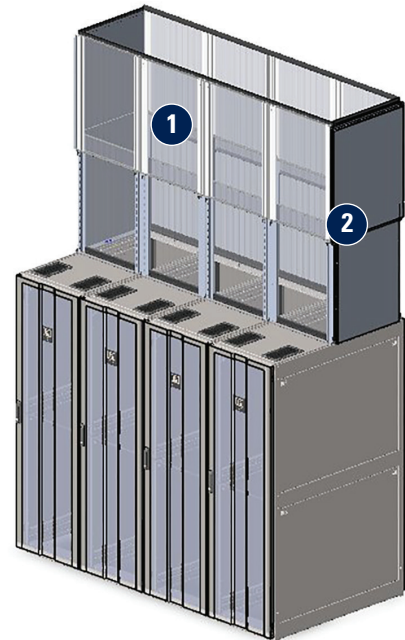
- Pre-assembled panels, no on-site fabrication required for frames or panels
- No drilling required, mounts to ZetaFrame top track
- Mounting hardware pre-loaded onto part
- Engineered for quick setup - less than 2 minutes per panel per cabinet
- Reduced deployment times

•Ease of Specification:

- Width sizes matched to standard ZetaFrame cabinet widths
- Telescoping design in 3 height ranges
- Supports row level vertical exhaust duct applications
- Streamlined experience with our ZetaFrame cabinet-supported containment solution

•Serviceability:

- Sliding service panel allows access to cabling infrastructure and other overhead structures
- Options for alignment to frame rear or cabinet mid-point for maximum airflow



ORDERING INFORMATION

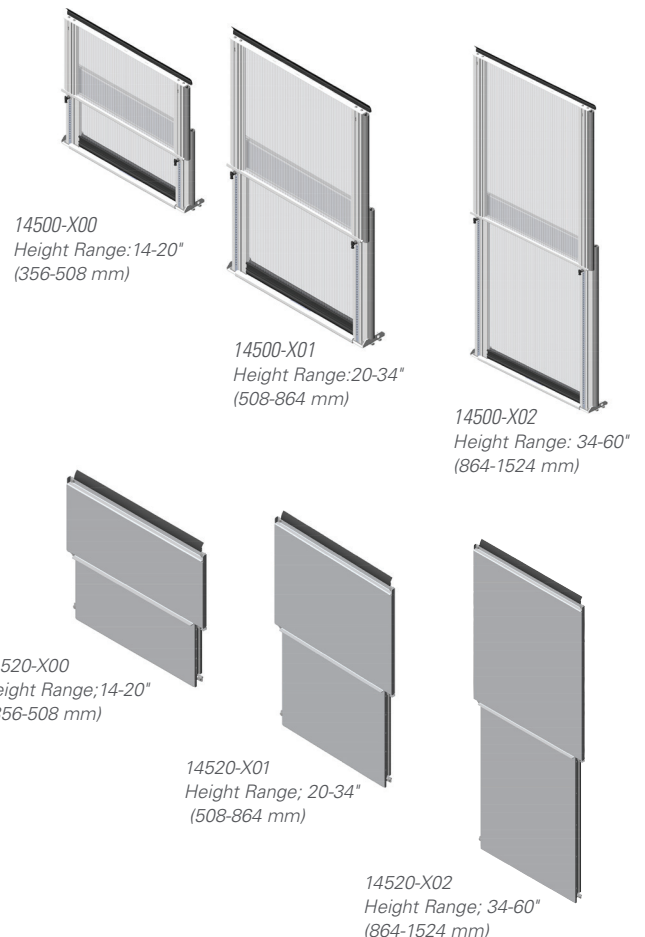
1 Adjustable Containment Solutions Panel for ZetaFrame Cabinet					
Part Number – Cabinet Width				Height in (mm)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	29.5"W (750 mm)	31.5"W (800 mm)		
14500-X00	14500-X03	14500-X09	14500-X06	14-20 (356-508)	18.8 (8.5)
14500-X01	14500-X04	14500-X10	14500-X07	20-34 (508-864)	23.9 (10.8)
14500-X02	14500-X05	14500-X11	14500-X08	34-60 (864-1524)	28.9 (13.1)

Note: X=color: 7=Black, E=Glacier White.

Shipping weights are for 800 mm configurations. Depth: 4.38" (111.3mm)

2 Adjustable Containment Solution End of Row Duct Panels for Row Level Vertical Exhaust Duct (VED)				
Part Number	Height Range in (mm)	Width in (mm)	Depth in (mm)	Shipping Weight lb (kg)
14520-X00	14-20 (356-508)	26.12 (663.4)	2.48 (63.0)	33.5 (15.2)
14520-X01	20-34 (508-864)	26.12 (663.4)	2.48 (63.0)	36.4 (16.5)
14520-X02	34-60 (864-1524)	26.12 (663.4)	2.48 (63.0)	41.8 (19.0)

Note: X=color: 7=Black, E=Glacier White.

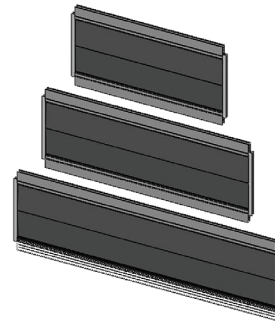


ACCESSORIES

Adjustable Containment Solution Brush Kit

The ACS Brush Kit provides a penetration port through the 6 mm double wall polycarbonate panel for cabling infrastructure. When properly installed, the ACS brush kit will limit air leakage through the penetration and provide edge trim to protect cabling from sharp edges. Install the ACS brush kit in a restricted service environment, such as a data center. Use indoors only, in environmentally controlled areas; do not use outdoors, in harsh environments or in air-handling spaces. The ACS brush kit is sized for use with standard cable runway sizes: 12", 18", and 24" width.

Adjustable Containment Solution Brush Kit	
Part Number	Description
14590-001	Adjustable Containment Solution Brush Kit for 12" Cable Runway; 8.7" H x 16.75" W x 0.46" D (221 x 425.5 x 11.7); For .24" (6 mm) Panels; Black
14590-002	Adjustable Containment Solution Brush Kit for 18" Cable Runway; 8.7" H x 22.75" W x 0.46" D (221 x 577.9 x 11.7); For .24" (6mm) Panels; Black
14590-003	Adjustable Containment Solution Brush Kit for 24" Cable Runway; 8.7" H x 28.75" W x 0.46" D (221 x 730.3 x 11.7); For .24" (6mm) Panels; Black

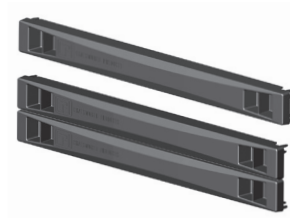


Thermal Management Accessories

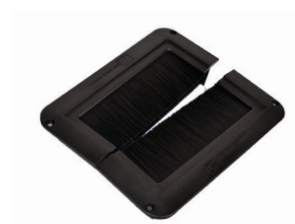
To maximize performance of the containment solution, it is critical to seal any gaps within and between cabinets and any openings in the floor or duct. CPI offers a number of options, including Snap-In Filler Panels and Raised Floor Grommets.

Snap-In Filler Panels	
Part Number	Description
34537-X02	1U x 19"EIA, Pack of 50
34538-X02	2U x 19"EIA, Pack of 50

Note: X=color: 7=Black, E=Glacier White. Also sold individually.



Raised Floor Grommets	
Part Number	Description
13671-001	Raised Floor Grommets, Each, Black
13671-002	Raised Floor Grommets, Pack of 10, Black



HOW TO GET STARTED

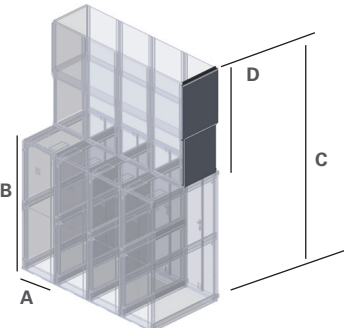
The specific combination of components needed to create a complete Adjustable Containment Solution (ACS) Row Level Vertical Exhaust Duct (VED) depends on a number of factors, including room layout, ceiling height and what size of cabinets models are selected.

To ensure you have a complete solution that addresses site- and cabinet-specific requirements, please contact CPI Technical Support for assistance developing a Bill of Materials (BOM).

Based on your input, CPI Technical Support will propose a complete solution with a drawing and detailed BOM. They will take the time to explain each selection, so you have a complete understanding of how CPI solutions will provide desired results.

Example Bill Of Materials (BOM) /Elevate™ Adjustable Containment Solution for Row Level Vertical Exhaust Duct (VED)			
Item	Part Number	Description	Qty.
1	14500-701	Adjustable Containment Solution Panel*	10
2	14520-701	Adjustable Containment Solution End of Row Panel	2
Recommended Accessories			
	14590-001	Adjustable Containment Solution Brush Kit	1
	34537-702	Snap-In Filler Panel, 1U x 19"EIA, Black, Pack of 50	2
	34538-702	Snap-In Filler Panel, 2U x 19"EIA, Black, Pack of 50	2
	13671-002	Raised Floor Grommet, 10 Pack, Black	2

Notes: *Consider each cabinet width while ordering individual panels in row. Example calculations for determining the correct ACS kit part number are listed below the image. Recommended Accessories include Thermal Management Accessories to seal the gaps within and around Cabinets. Contact CPI Technical Support (techsupport@chatsworth.com) to develop a BOM for your site.



Identify the width of each cabinet in the exhaust duct row (Dim A)

- Match the cabinet width to panel width for each cabinet size

Calculate Dim D:

- Identify the cabinet height dimensions (Dim B)
- Identify the floor to ceiling height (Dim C)
- Calculate (Dim D) for correct panel range
 - $\text{Dim D} = \text{Dim C} - \text{Dim B}$

Based on Calculations:

- Order 1 Adjustable Panel per cabinet
- Order 2 End of Row Exhaust Duct Panels

All suggestions and performance statements are based on using an overall approach to airflow containment through the use of CPI Products and solutions. For more information about CPI's Aisle Containment Services or products, call 800-834-4969, email techsupport@chatsworth.com or contact your Regional Sales Manager.

[chatsworth.com](https://www.chatsworth.com)

techsupport@chatsworth.com

800-834-4969