



# Hot Aisle Containment



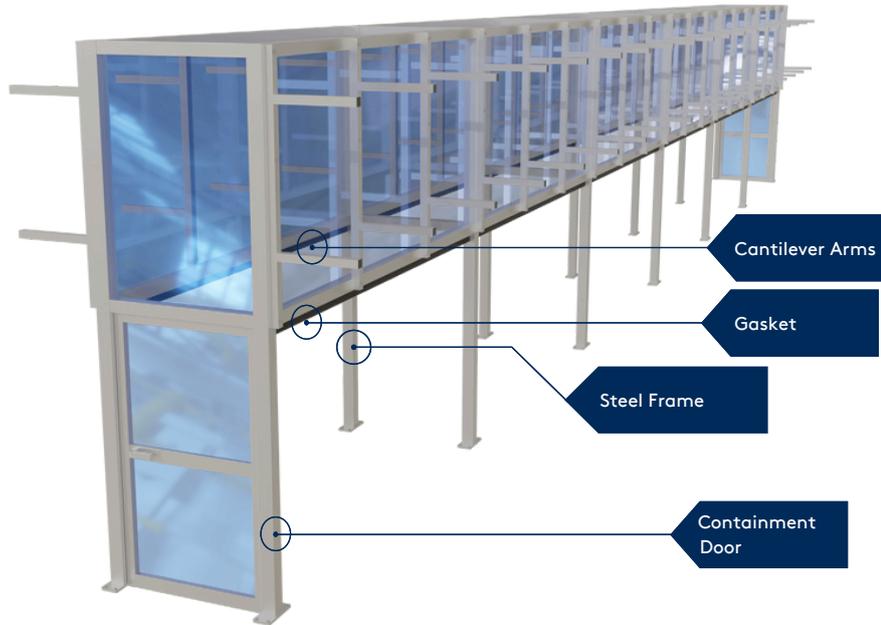
## Structural Containment

Tate's floor mounted Hot Aisle Containment system is a pre-engineered solution that expertly channels hot air from IT equipment into an overhead plenum.

It enhances data centre airflow management, while also providing structural support for IT services on adjustable cantilevered arms.

Customisable for each project, it offers bespoke configurations in length, height, and width to precisely fit spatial requirements. This system is designed for swift, efficient deployment, with the minimum number of components.

The Hot Aisle Containment System ensures optimal airflow control and energy efficiency, making it an essential component for modern data centres seeking both performance and sustainability.



## Specifications

Weight:	Customisable
Length:	Customisable
Height:	Customisable
Main Structure Material:	Mild Steel S355 & Unistrut
	Cantilever arm brackets S275
Finish:	Customisable



## Production Capacity

Scaleable production capacity ensures on-time, cost-effective delivery for simultaneous projects



## Technical Support

Our dedicated team of engineers work with you to design a bespoke solution for every project.

# HOT AISLE CONTAINMENT

## Adjustable Height Cantilever Arms



Tiered cantilever arms designed to support 15lbs./square foot of cable tray & bus duct.  
Arms connected to vertical slide for adjustable final height

## Air Leakage



This system can achieve a containment integrity of less than 3% leakage at a rated pressure of 0.03"

## Panel Options

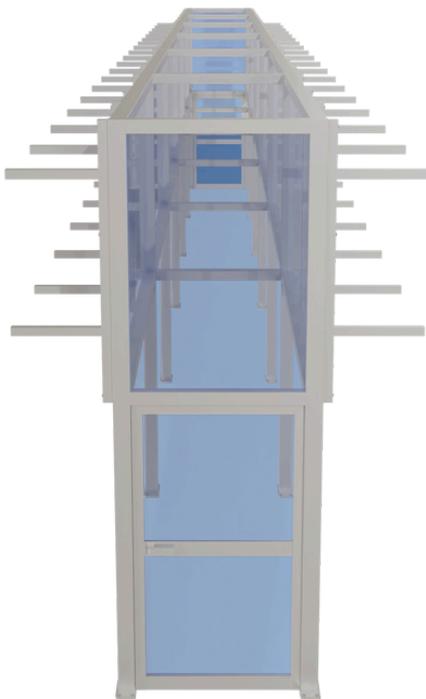


8mm Multiwall Polycarbonate used to contain the air within the chimney and above racks.  
EN13501-1+A1:2013 Classification: B-s1, d0

## Doors



Single hinged door with auto-closer & optional hold open function



Each Containment System is designed to facilitate the local project requirements including ceiling height, aisle width, cantilever arm quantities, etc. Local requirements are to be communicated to the Tate Engineering Department for review of structural, seismic and dynamic load implications.

Containment Systems are constructed in two phases, first fix and second fix. First Fix assembles the main structure of the Containment Systems, comprising of the steel and strut arms. Second fix is completed with the installation of the products to achieve the air containment. These components include the end of aisle doors, polycarbonate & F-channel windows, gaskets and L angles.

Containment Systems are to be stored in a dry, sheltered environment prior to installation.

- Finished heights and lengths of Tate floor mounted hot aisle containment systems are subject to change based on design and preconstruction activities with the Main Contractor, End Client and all other relevant stakeholders.

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Please note we reserve the right to change specification or design and supply products which may differ from those described and illustrated without notice and without liability.

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