

# CoolControl Curtain

**Inexpensive cold-aisle-containment with fire retardant curtains**



## CoolControl Curtain Highlights

- Cost-saving separation of the hot and the cold aisle (H/CAC)
- Compatible with all rack dimensions and vendors
- Prevents re-circulation of hot air into the cold aisle
- Up to 30% energy savings
- Increased server reliability
- Temperature difference between hot and cold aisle: up to 10° - 15°C
- Significant increase in cooling system efficiency
- Easily installed: in hours not in weeks
- No downtime required for installation
- Ideal as test installation to measure cold aisle containment results

CoolControl Curtain allows the containment of racks of any size along the cold or hot aisle. The solution consists of an inert and anti-static material that is also self-extinguishing according to the EN DIN 53382 norm. The curtain fits to any rack height and width and is easy to install especially in data centres that have grown over time with racks from different vendors. Cold-aisle-containment with CoolControl Curtain in the data centre contributes to a reduction of the CRAC power consumption by up to 30 percent.

**Re-circulation of hot air at the IT equipment intake can lead to increased hardware failures and proves to be expensive**

Active IT hardware takes the cooled air in from the front of the racks and passes it to the back of the racks. As the cool air travels through the hardware, the air is heated and pushed out the back. The hot air rises up the rear of the cabinet and flows over the top or around the side of the rack and re-circulates to the front of the rack in the cold aisle again. The hot air can also re-circulate through openings between servers or other hardware in the cabinet. As this process repeats, the temperature in the cold aisle gradually rises creating hot-spots. Traditionally, the most common way to prevent these hot-spots was to increase cooling output. Unfortunately, increasing cooling output increases energy consumption and your energy bill and does not always solve the problem. It is essential to hermetically separate the hot air from the cold aisle. This separation can be done reliably with the CoolControl Curtain. Our measurements show that by installing CoolControl Curtain the temperature difference between the hot and cold aisle can be as high as 10-15 degrees Celsius. Depending on the size and environmental specifics of individual data centres, the cooling requirements and energy costs could be decreased by as much as 30%.

**Play it safe: Test before installing a permanent cold aisle containment solution**

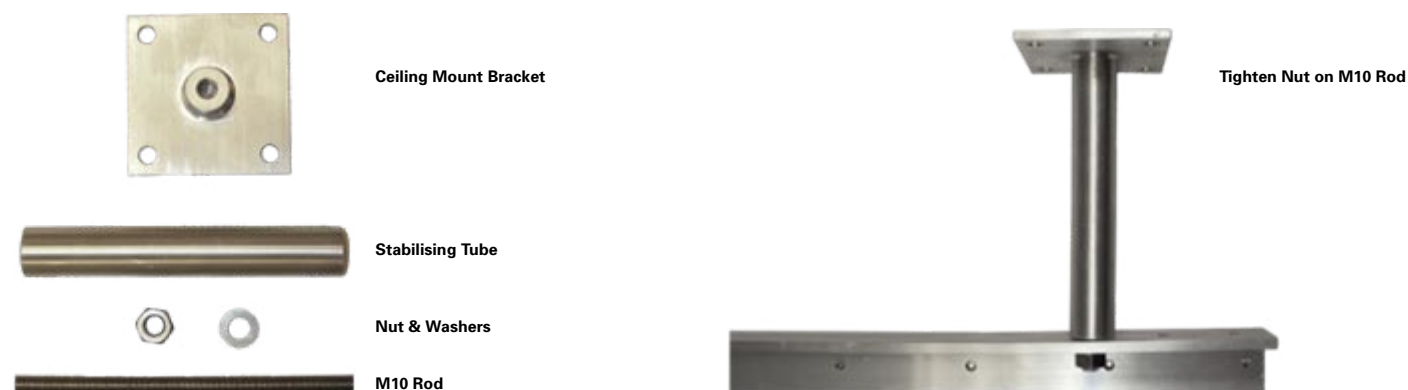
For companies who want to first test the efficiency of cold aisle containment the CoolControl Curtain is ideal. With the CoolControl Curtain, Facility Managers and IT Managers can measure the actual savings and efficiency factors without placing strain on their budgets.



## Technical Specifications:

Description	Test Method	Curtain Strips Antistatic [0]	Units
Density	DIN EN ISO 1183-1	~ 1,22 [0]	g/cm
Shore A Hardness / 15sec.	DIN 53 505	78 [0]	
Cold Cracking Temperature	DIN 53 372	ca. -35 [0]	°C
Tensile Stress Test	DIN EN ISO 527-3	20 [0]	Mpa
Stretch Stress Test	DIN EN ISO 527-3	355 [0]	%
Continue Tear Resistance	DIN 53 515	> 55 [0]	N/mm
Flammability	US MVSS 302	Non-Flammable	
Noise Resistance	DIN 52 210	- 30 [0]	dB
Transparency	PA 0019 ECE 43	> 87 [0]	
Resistance after 6 months storage	IEC 93	ca. $2,1 \times 10^8$ ca. $6,0 \times 10^7$	$\Omega$
Volume Resistance	IEC 93	ca. $1,0 \times 10^8$	$\Omega$

## Mounting Devices



## Order Information

The pricing is dependent on the width, height and required overlap of the curtains.

A quotation with required parts will be made on an individual basis.

For further information please contact us at [info.uk@daxten.com](mailto:info.uk@daxten.com), +44 (0)20 8991 6200 or visit [www.daxten.co.uk](http://www.daxten.co.uk).

### About Daxten

Daxten was founded in 1994 as Dakota Computer Solutions. Today Daxten is a Value Add Distributor for IT management, cooling optimisation and data centre facilities solutions from Austin Hughes, Avocent (Cyclades), Dataprobe, Digi, Minicom, PlenaFill/PlenaForm, Raritan (Peppercon), Rose, Server Technology, Triad, Universal Electric (Starline), Upsite Technologies (KoldLok), Uptime Devices. In addition Daxten is a leading manufacturer of its own connectivity product lines. The company has facilities and subsidiaries across Europe and the USA. Daxten is specialist of cutting-edge cooling optimisation and power distribution solutions which improve the energy efficiency and reliability of the data centre. As a provider of high-end KVM, connectivity and infrastructure management solutions it is our mission to support IT managers worldwide, to ease their working life and to protect their companies against critical downtime. In Europe Daxten is headquartered in London and Berlin. For further information please visit [www.daxten.co.uk](http://www.daxten.co.uk) or [www.daxten.com](http://www.daxten.com).

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