CoolControl Seal

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Simply seal - reduce bypass by airflow up to 63% and saving energy and money!

Advantages of CoolControl Seal at a glance:

- Up to 63% higher data centre energy efficiency

- Reliable raised floor opening seal eliminating bypass airflow

- Prevents system failures and downtime caused by overheating and hot spots

- Significant increases under floor static air pressure

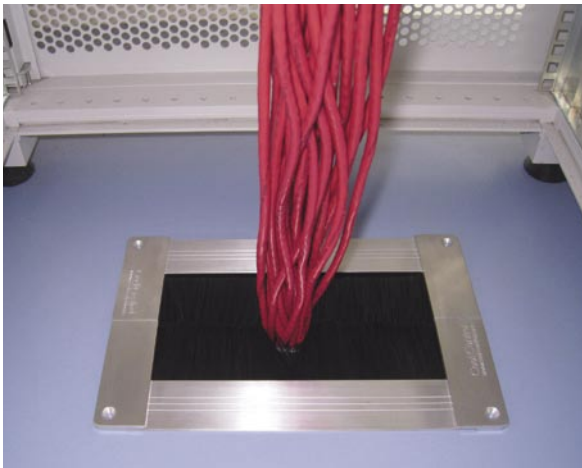### Why should the sealing cable openings be a fixed part of your routine?

According to Gartner, a staggering 40% of the total energy costs of any given data centre are incurred through cooling - increasing at an accelerating rate! There is no need to invest in costly cooling technology to reverse this trend. Small and simple thermal improvements create significant functional and cost savings - all with low investment costs and amortisation periods of between three and six months. A huge 'side effect' is that servers and network equipment runs cooler and have fewer heat related failures. According to Gartner's 11 Best Practices to save energy in the data centre, sealing raised floor cable openings is the number one on the list. The Uptime Institute states that up to 63% of expensive cooled air is lost through unsealed cable openings; this conditioned air is therefore no longer available for cooling vital locations and cabinets where servers are located - a disaster with regards to energy consumption and your balance sheet.

What can you do?

Quite simply, you install cost-effective CoolControl Seals. These consist of a solid aluminium frame containing nylon fibre brushes and a specially integrated internal barrier that seamlessly wraps around cables and other equipment that is inserted through the openings in the data centre raised floor. The openings are sealed meaning that no valuable cooled air can escape. Through this cleaver, but simple method you can increase the efficiency of your data centre cooling, improve the effectiveness of your cooling systems and realize significant energy savings.

How to install a CoolControl Seal?

The system is installed within seconds either sealing existing cable cut-outs with a surface mounted unit or integrated into the floor for new cut outs. For existing installations, simply open the aluminium profile, slide the cables to the centre of the CoolControl Seal and close the profile. Quick, easy and painless! For new cable openings, just slide the complete CoolControl Seal frame in the cut out opening and pull the cables through. Fixing the aluminium frame, which ensure static dissipation, can either be done with screws or adhesive tape. With our unique design, there is no limitation in size or length of the cable cut-outs. Contact us directly if you require longer or custom lengths - there are no long lead times or large minimum orders.

Technical Specifications – CoolControl Seal

Material (fibre brushes):	Nylon-66, including internal flexible lip
Cut/Layout brushes:	circular with multiple layers
Material (frame):	Aluminium, static dissipating
Mounting:	with screws and/or double-sided self adhesive tape
Dimensions & cut outs:	variable (s. ordering details) and customised on request

Order details

Part Number	Description
CoolControl Seal _ Integrated	
4012_1828	CoolControl Seal - Integrated 18cm x 28cm (cut out 14 x 23.5)
4012_2728	CoolControl Seal - Integrated 27cm x 28cm (cut out 23 x 23.5)
4011_0960	CoolControl Seal - Half Integrated Extended 9cm x 60cm
4011_1360	CoolControl Seal - Half Integrated Extended 13.5cm x 60cm
CoolControl Seal _ Surface	
4022_1828	CoolControl Seal - Surface 18cm x 28cm
4022_2728	CoolControl Seal - Surface 27cm x 28cm
4021_0960	CoolControl Seal - Extended Surface 9cm x 60cm
4021_1360	CoolControl Seal - Extended Surface 13.5cm x 60cm
CoolControl Seal - Safety Plate _ Integrated	
4112_1828	CoolControl Seal - Safety Plate Integrated 18cm x 28cm
4112_2728	CoolControl Seal - Safety Plate Integrated 27cm x 28cm
4111_0960	CoolControl Seal - Safety Plate Half Integrated 9cm x 60cm
4111_1360	CoolControl Seal - Safety Plate Half Integrated 13.5cm x 60cm
CoolControl Seal - Safety Plate _ Surface	
4122_1828	CoolControl Seal - Safety Plate Surface 18cm x 28cm
4122_2728	CoolControl Seal - Safety Plate Surface 27cm x 28cm
4121_0960	CoolControl Seal - Safety Plate Extended Surface 9cm x 60cm
4121_1360	CoolControl Seal - Safety Plate Extended Surface 13.5cm x 60cm

Further dimensions and specific cut out variants are available on request.

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