

# Airflow Efficiency Solutions



A range of airflow efficiency solutions that are designed to assist in managing data centre cooling.



If you have already laid out your room in hot and cold aisles, with cabinets orientated 'front to front' and 'back to back', then you will achieve the best cooling by blocking unused panel spaces in your cabinets.

These open panel spaces allow cold air to flow through your cabinet to the back, reducing the cold air that goes to the equipment in the upper racks. That equipment can then run too hot, shortening its life.

What's more, the cold air in the cabinet mixes with the hot air that returns to your air conditioners, convincing the air conditioners into thinking the temperature is lower than it actually is.

This means your air conditioners won't work efficiently because the cooling of the hardware is reduced which creates higher temperatures and shortens the life of the equipment.

As well as cold air moving from front to back through your open panels, hot air can bypass from back to front, where it rises and delivers even warmer air to the upper computers.

This is why servers toward the tops of cabinets often have a statistically higher failure and error rate than those at the bottom. Loading cabinets from bottom to top and closing all the remaining spaces with blanking panels and baffles will make a big difference.



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## Ezibrush™ Strips

Keeps hot exhaust air away from cool intake air, extending the life of your equipment. These panels have a brush strip overhanging the 1RU size by an extra 5mm allowing simple management of air gaps when placed alongside other equipment.

Part Number	Description	RU
ARBPB1U	Horizontal, 19" black	1



ARBPB1U

## Eziblank Blanking Panels

The Ausrack 6RU adjustable tool-less blanking panels simply snap to the size you need and pushes onto the 19" mounting rails. The blanking panels can be easily snapped in 1RU increments to fit any gap. Made from UL94 fire rated and anti-static ABS plastic.

Part Number	Description	RU
ARBP6U	Supplied as 6 x 1RU plastic panels	1



ARBP6U

## Metal Blanking Panels

Used to control airflow within the rack. They are manufactured from 1.2mm steel with a powdercoated matt black surface finish.

Part Number	RU	Dimensions (mm)	
		Height	Width
EBP1U	1	44	483
EBP2U	2	88	483
EBP3U	3	132	483
EBP4U	4	177	483
EBP5U	5	222	483
EBP6U	6	266	483



EBP

## Cable Zone Blanking Plates

Designed to seal the front section of racks bayed with cable zones from hot exhaust air at the rear of the cabinet. They extend between the posts of the two adjoining racks over the cable zone to the full height of the rack.

Part Number	Width (mm)	To suit cabinets & frames
ARPBP40U100	100	40RU
ARPBP40U200	200	40RU
ARPBP45U100	100	45RU
ARPBP45U200	200	45RU

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## Vertical Brush Strips

Designed to control airflow in the rack. They provide a barrier between the front of the frame and hot exhaust air at the rear, between the post and the side panel whilst also allowing cable access. Each strip attaches to the post and extends to the side panel of the cabinet.

Part Number	To suit cabinets & frames	
	RU	Width (mm)
ARPBS40U06	40	600
ARPBS40U08	40	800
ARPBS45U06	45	600
ARPBS45U08	45	800



ARPBS