

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.



AIRFLOW EFFICIENCY PRODUCTS

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Data ICT Accessories

Accessories to suit Data ICT Range

Brush Strips - Ezibrush™

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 | To suit cabinets & frames |
|-------------|---|----|--------------------------------------|
| ARBPB1U▲ | Horizontal, 19" black, pack of 5 strips | 1 | All B&R Data ICT cabinets and frames |



ARBPB1U

Brush Strips - Vertical

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. Sold as pairs (if ordering one (1) unit, it comes as two (2) strips).

For use with racks:

| Part Number | To suit cabinets & frames | | |
|-------------|---------------------------|------------|---------------|
| | RU | Width (mm) | Product Range |
| ARPBS40U06▲ | 40 | 600 | Ausrack Plus |
| ARPBS40U08▲ | 40 | 800 | |
| ARPBS45U06▲ | 45 | 600 | |
| ARPBS45U08▲ | 45 | 800 | |



ARPBS40U08

For use with cable zones:

| Part Number | To suit cabinets & frames | | |
|--------------|---------------------------|-------------|---------------|
| | RU | Width (mm) | Product Range |
| ARPBS40U100▲ | 40 | 100mm wide | Ausrack Plus |
| ARPBS40U106▲ | 40 | cable zones | |
| ARPBS40U200▲ | 40 | 200mm wide | |
| ARPBS40U206▲ | 40 | cable zones | |
| ARPBS45U100▲ | 45 | 100mm wide | |
| ARPBS45U106▲ | 45 | cable zones | |
| ARPBS45U200▲ | 45 | 200mm wide | |
| ARPBS45U206▲ | 45 | cable zones | |

▲ Available on request

Blanking Plates - for cable zones

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.

Table with 4 columns: Part Number, RU, Width (mm), Product Range. Rows include ARPBP40U100, ARPBP40U200, ARPBP45U100, and ARPBP45U200, all categorized under 'Ausrack cable zones'.

Cable zones available. Please see page 37.



ARPBP40U200

Blanking Panels - Eziblack

The 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 into 1RU increments to fit any gap. Made from UL94 fire rated and anti-static ABS plastic.

Table with 4 columns: Part Number, Description, RU, To suit cabinets & frames. Row for ARBP6U: Supplied as 6 x 1RU plastic panels, 1 RU, All B&R Data ICT cabinets and frames.



ARBP6U

Blanking Panels - Metal

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

Table with 5 columns: Part Number, RU, Height (mm), Width (mm), To suit cabinets & frames. Rows include EBP1U through EBP6U, all categorized under 'All B&R Data ICT cabinets and frames'.



EBP

▲ Available on request