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B&R Enclosures
COLD AISLE CONTAINMENT

brenclosures.com.au



Increase your cooling efficiency whilst reducing power consumption.

Cold Aisle Containment Solutions

Cold aisle containment is a method of increasing cooling efficiency, reducing power consumption and is intended to prevent air temperature

Cold air is fed through a false floor into a contained cold aisle. This air flows through the front of the server racks, removes the heat from installed equipment and is expelled as hot air through the rear of the cabinet. The hot air is then removed by the data centre air conditioning system.

Having the cold aisle contained means the area requiring cooling is much smaller and therefore less power is required by the C.R.A.C unit to keep it at the recommended temperature.

Cold aisle containment ensures businesses do not have to increase the cooling capacity within the data centre whilst increasing cooling efficiency and reducing costs.

The main benefits of cold aisle containment are:

- Avoids hot air short circuits
- Reduces the volume of air that needs to be cooled
- Improves efficiency of the cooling system considerably
- Energy cost savings

Installing a cold aisle in a workplace improves the working environment for staff, as the room does not need to be kept at a low ambient temperature. Even the cold aisle can often be warmer than that of an uncontained data centre. An uncontained data centre needs to have its air conditioning set for the installation that requires the most cooling, wherever that is within the data centre.

B&R Enclosures' cold aisle containment systems are quoted on a project basis after an on-site consultation with one of our experienced sales engineers.



AUSTRALIA

Sales
T: 1300 Enclosures (1300 362 567)
E: sales@brenclosures.com.au
brenclosures.com.au

QUEENSLAND

Brisbane Manufacturing, Sales & Warehouse
51 Stradbroke Street
Heathwood QLD 4110
(PO Box 1151)
Browns Plains BC QLD 4118
T: +61 7 3714 1111
E: salesqld@brenclosures.com.au

NORTH QUEENSLAND

Townsville Sales & Warehouse
Unit 4 / 780 Ingham Rd, Mount Louisa
(PO Box 7615),
Garbutt QLD 4814
T: +61 7 4727 1900
E: salestvl@brenclosures.com.au

NEW SOUTH WALES

NSW & ACT Sales & Warehouse
7 Metters Place Wetherill Park
NSW 2164
T: +61 2 9915 9555
E: salesnsw@brenclosures.com.au

NEWCASTLE Distribution

Ross Joice Agencies Pty Ltd
109-111 Broadmeadow Road
Broadmeadow NSW 2292
T: +61 2 4961 4433

VICTORIA

VIC & TAS Sales & Warehouse
50-52 Sunmore Close
Heatherton VIC 3202
T: +61 3 9552 0552
E: salesvic@brenclosures.com.au

TASMANIA Distribution

W P Martin Pty Ltd
85 Elizabeth Street
Launceston TAS 7250
T: +61 3 6331 5545

SOUTH AUSTRALIA

SA & NT Manufacturing, Sales & Warehouse
505 Grand Junction Road
Wingfield SA 5013
T: +61 8 8417 6222
E: salessa@brenclosures.com.au

NORTHERN TERRITORY Distribution

Jewell Distributors Pty Ltd
Cnr Hidden Valley & Beaton Roads
Berrimah NT 0828
T: +61 8 8947 0870

WESTERN AUSTRALIA

WA Sales Office & Warehouse
6 Montgomery Way
Malaga WA 6090
T: +61 8 6310 4777
E: saleswa@brenclosures.com.au

NEW ZEALAND

Sales
B&R Enclosures Limited
T: 0800 Enclosures (0800 362 567)
E: sales@brenclosures.co.nz
brenclosures.co.nz

AUCKLAND Distribution

Matchmaster
Unit 6/103 Cryers Road
East Tamaki Auckland NZ 2013
T: +64 9 265 2097
E: sales@brenclosures.co.nz

CHRISTCHURCH Distribution

Matchmaster
17 Washbournes Road
Wigram Christchurch NZ 8042
T: +64 3 348 0659
E: sales@brenclosures.co.nz

CHINA

B&R Enclosures (Suzhou) Co. Ltd
E: sales@brenclosures.com.cn
brenclosures.com.cn

SUZHOU

Manufacturing, Sales & Warehouse
Building 45, Chuangtou
Industrial Zone, SIP,
Suzhou 215122

PEOPLE'S REPUBLIC OF CHINA

T: +86 512 8718 2139
E: sales@brenclosures.com.cn