

# Commercial Air Diffusion Range

Discover world leading Australian and International  
Heating, Ventilation, Air conditioning and Refrigeration.

Reece. Works for you.

reece®

hvac

## Commercial Air Diffusion Range

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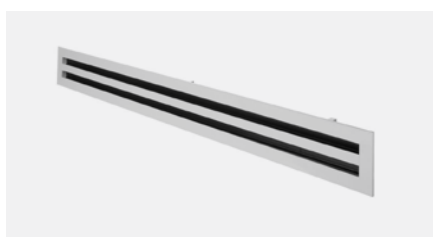


**Bradflo is a leading Australian brand of air distribution, air handling and ventilation products, components, and accessories.**

Distributed by Reece HVAC, Bradflo's scope of quality products are selected to offer customers the convenience of a comprehensive one-stop shop. A further strength is our ability to design and manufacture quality customised products.

### Diffusers

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U-blade linear slot diffusers

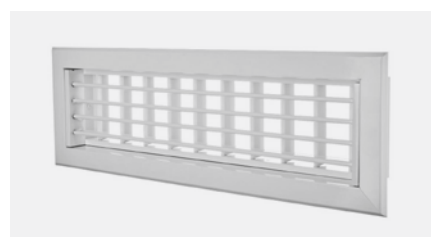
Available in 1, 2, 3, 4 slot

Stocked sizes up to 2000mm

Available complete, one end or no ends for continuous lengths



Bevelled Edge Diffuser



Double deflection register



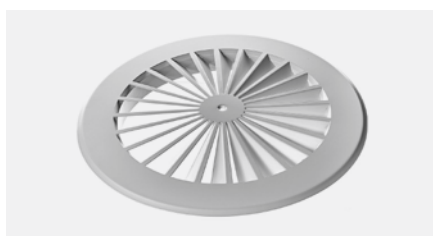
Curved blade double deflection register  
(made to order)



4 Way directional diffuser



Swirl Diffuser



Round swirl diffuser

## Round Diffusers



Full cone diffuser



Circular nozzle diffuser



Aluminium round diffuser



Round ceiling diffuser



Flanged jet diffuser

## Grilles



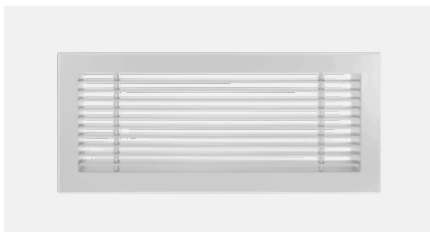
Weather-proof louvre



Half chevron



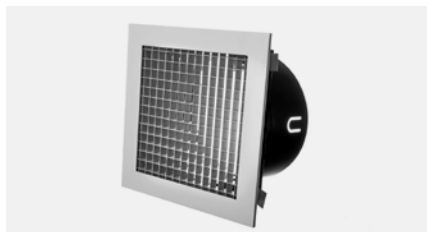
Aluminium door grille



Linear bar grille

Available in fixed core  
and removable core

Large range up to 2000mm



Egg crate w/ adaptor and damper



Egg crate grille

## Commercial Air Diffusion Range

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### Dampers/Other

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Tbar frame



Opposed blade damper



Square to square adaptors



Bellmouth spigots



Manual and motorised volume control dampers (made to order)



Non-return dampers



Oval spigot damper



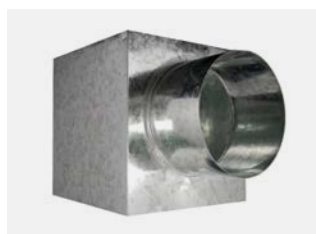
Damper blade kits

### Metal Boxes/Spiral Duct

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Metal slot cushion box



Plain metal cushion boxes



Swirl cushion head box



Insulated cushion head box



Duct bends



Spiral duct





# The Smartair Difference

Market leading, premium air diffusion solutions, the Smartair product range is backed by engineering and technical support, and laboratory testing to ensure superior performance on demanding commercial applications.

The broad product ranges includes both standard and customised solutions for specialised air diffusion, indoor air quality, associated acoustics and comfort based system design.

Our HVAC design team alongside Smartair Diffusion<sup>®</sup> offer engineering and technical services to provide a tailored experience from tender documentation to installation.



## Fixed Helical Swirl Diffusers HSC-FD

Low temperature, high volume flow, fixed aperture VAV ceiling swirl diffuser



## Linear Multi-stream Ceiling Diffuser LMC-AD

Multi-nozzle linear slot diffuser with adjustable discharge direction



## Adjustable Helical Swirl Diffuser HSC-AD

High volume flow, low profile swirl diffuser with adjustable air pattern



## Inclined Floor Swirl Diffuser ISF-AD

The world's only floor swirl diffuser with user-adjustable airflow rate, air motion and air direction

**Exclusively available in the following States**

NSW – Metalflex

VIC – Metalflex

ACT – Metalflex

TAS – Reece HVAC & Actrol

**VIC & TAS:** 0425 763 892  
[bradflo.vic@metalflex.com.au](mailto:bradflo.vic@metalflex.com.au)

**NSW & ACT:** (02) 8805 8910  
[bradflo.nsw@reece.com.au](mailto:bradflo.nsw@reece.com.au)

Discover the  
Smartair range



# Commercial Air Diffusion Range



Bradflo’s flexible ducting features an aluminum reinforced core for increased tear resistance over standard duct.

It’s available in a wide choice of sizes and R values to suit the specific requirements of your installation. Bradflo duct complies with all current Australian standards and passes all fire, impact and pressure tests. Bradflo duct is thermally insulated using calculated ratings to obtain minimum efficiency.

### Features

- Tested and meets Australian standards AS 4254.1 and building codes of Australia domestic and commercial air handling systems.
- The insulation used is safe allergen free polyester fibre which can be produced with thermal ratings of R0.6, R1.0, R1.2, R1.5, R2.0.
- Available in 150mm –500mm
- Certain States only. Please speak to your local Reece HVAC store.



Safe-T-Flex insulated flexible ducting is made with Australian conditions in mind. It’s ideal for a wide range of applications –delivering performance and rugged reliability.

Safe-T-Flex duct complies with all current Australian standards: AS4254.1 and AS4859.1 and passes all fire, impact and pressure tests. Safetflex duct is thermally insulated using calculated ratings to achieve maximum efficiency.

### Features

- Meets requirements of BCA as specified in NCC 2019
- Operating temperature -20 to +80 °C
- Operating pressure -190pa to +1200pa
- Fire rated and in compliance with AS4254.1
- R0.6, R1.0, R1.5, R2.0 insulation available
- Meets insulation code AS 4859.1
- Available in 150mm –500mm



### Duct Product Guide

Product	R0.6	R1.0	R1.5	R2.0
Bradflo 4-Zero	o	o	o	o
Safe-T-Flex	o	o	o	o
Bradflo 4 Zero Acoustic	o	o	o	o
3-Zero Nude Core				
4-Zero Nude Core				

### Accessories

- Hanging Straps
- Duct Tape
- Foil insulation tape
- Flashing
- Plaster Frames





## Fully customisable ducting solutions

Bradflo's D3 pre-insulated aluminium duct board solution features a 3 layer design that consists of fire retardant rigid polyisocyanurate foam covered in antibacterial aluminium foil on both sides. This 3 layer design provides better thermal insulation, increased energy savings and increased air quality over standard sheet metal.

Bradflo D3 duct complies with all current Australian standards and passes all fire, impact and pressure tests. Bradflo duct is thermally insulated using calculated ratings to obtain a true 4 Zero rating.

With fabrication capabilities in VIC, NSW, QLD & SA, standard Bradflo D3 duct board products are available with reduced lead times across the country.

## Features

Tested and meets Australian requirements of the NCC 2022 section J

Compliant with AS/NZS 4859.1

R 50/90 = 1.0 m<sup>2</sup>K/W

Operating temperature -60 °C to +80 °C

75 micron thick antibacterial coated aluminium foil (AMST21G)

Operating pressure to +2,000 Pa

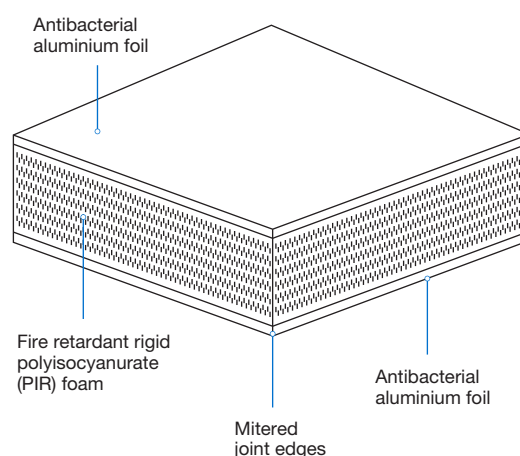
Weight 1.46kg/m<sup>2</sup> (compared to sheet metal at 9.8kg/m<sup>2</sup>)

Fire rated AS4254-2012

Max recommended airflow: 12 m/s

Thermal conductivity: 0.019 W/m.C

PIR Green Product, Zero ozone depletion factor



Panel board slot box



Panel board swirl box

Ability to manufacture custom ductboard locally products with additional lead times.



### Lightweight

4 x lighter than standard sheet metal



### 4 Zero-rated insulation



### Time saving

Quick and easy adaptable installation

## Commercial Air Diffusion Range

### Project management

**In addition to support staff in each branch, Reece HVAC also offers support through their HVAC Project Support Team, including 8 dedicated team members & 3 Business Development Managers**

#### **Our dedicated team of experts can assist with:**

Site Visits

Tender Pricing

Product Requirements

Supply and Project Management

We understand your projects can have specific product requirements, and our team is here to help with customised solutions to suit.

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### Contact

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## Notes



