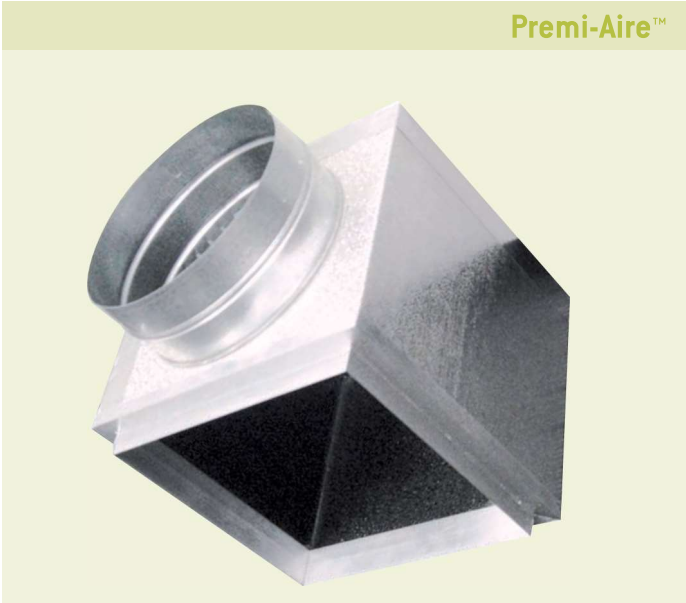
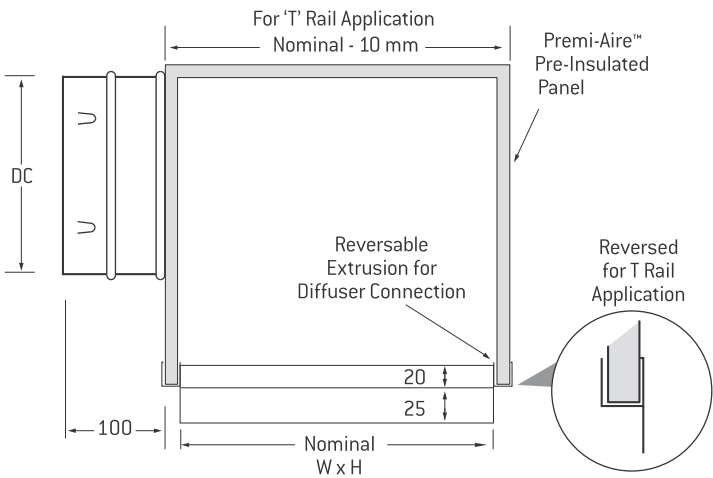


# ACCESSORIES – Premi-Aire™ Cushion Head

Model: **Series Premi-Aire™**

**Pre-Insulated Cushion Head, Plenum & Adaptor Boxes.**



The Premi-Aire™ range adapts ceiling swirl, multi pattern, square neck diffusers, return grilles, linear diffusers and other applications to a side or top entry, round, oval or square/ rectangular spigot connection/or proprietary Duct Flange connecting arrangement.

## Options

Applications for the Holyoake Premi-Aire™ include Cushion Head, plenum, and adaptor boxes.

## Product Range

Square neck, adaptor boxes, supply and return plenums and other special arrangements are available. Please contact your local Holyoake branch for details.

Holyoake's Premi-Aire™ pre-insulated box system offers installers and specifiers many benefits:-

## Features

- Ultra light weight, robust, and strong design.
- Easy to install.
- High thermal resistance and lower pressure drop.
- Certified to AS/NZS 1530.3 (0, 0, 0, 0-1).
- Range of spigot and duct flange options.
- Aesthetically pleasing black internal foil face.

## Material

Manufactured in a sandwich panel construction, a layer of fire proof rigid closed cell foam, is laminated both sides with aluminium foil, silver external and black internal.

## Ordering Code Examples and Suggested Specification

PREMI -CH	CRS	DC	W x H
	CSS		
	CFP		
	CFPP		
Premi-Aire™ Cushion Head.	Product Type.	Duct Connection, (Dia/Oval/Square Rect/Duct Flange).	Nominal Diffuser, (or Grille Neck Size).

## Specification

The Premi-Aire™ Cushion Head boxes shall be constructed from aluminium foil laminated silicate modified fire proof rigid Polyurethane and be complete with galvanised steel connection spigots and accessories, as appropriate.

All as manufactured by Holyoake.

Please refer to page 388K for product weights.

# Pre-Insulated Duct System – PREMI-AIRE™

Holyoake's **Premi-Aire™** pre-insulated duct system is revolutionising the design, fabrication and installation of HVAC systems.

Applications for Holyoake **Premi-Aire™** pre-insulated duct system are virtually limitless and include Cushion Heads, plenums and linear adaptors, as well as complete duct systems for HVAC applications.

## Improved System Efficiency

**Premi-Aire™** pre-insulated duct system has a high thermal resistance, which reduces heat losses through the wall of the panel. The unique assembly system reduces air leakage, by improving joint sealing and reducing the number of joints. The black aluminium foil lining reduces system resistance and also creates a smooth, cleanable surface, that assists with future maintenance schedules.

## Enhanced building design

Designed to reduce the impact of the HVAC system on building design, **Premi-Aire™** pre-insulated duct system is up to 90% lighter than traditional sheet metal duct systems, potentially reducing the structural design requirements in a building. As a pre-insulated panel, there is no need to make allowances for access for external insulation installed on site, reducing the required ceiling space. Holyoake's **Premi-Aire™** pre-insulated duct system is manufactured without CFC's, ensuring the completed system has minimal impact on the environment.

## Compliant with BCA & NZBC

Holyoake's **Premi-Aire™** pre-insulated duct system has been tested at the NATA certified, CSIRO laboratory in Australia and conforms to the requirements of the Building Code of Australia, AS 1530.3 and AS 4254. **Premi-Aire™** pre-insulated duct panel is built to exacting international quality standards with ISO 9001: 2008 Certification.

New Zealand supplied **Premi-Aire™** also complies with ISO9705 in accordance with NZBC C/VM2 Appendix A and has a group classification number 1-S (highest available).

## Ease of installation and construction

**Premi-Aire™** pre-insulated duct system caters for the needs of designers, fabricators and installers to reduce construction and on-site time when compared to traditional methods. Holyoake can provide the complete tooling and training needs for workshop and on-site staff, as well as project costing software for the estimator.

## Applications

- Grille / Diffuser Cushion Head boxes.
- Linear adaptor boxes.
- Low to medium pressure applications for plenums and ducting, however final selection is dependant on all application data, therefore, **please refer to your local Holyoake Branch for specific applications.**

## Design And Manufacture

- CAD / CAM facilities for automated CNC machining, are available.
- Certified to ISO 9001:2008.
- Various connection methods available including standard "h" section and 35mm Proprietary Duct Flange Systems.

## Advantages

- Standard range of products available.
- Specials can be manufactured to meet specific requirements.
- Ultra lightweight (enhancing health & safety), robust and strong design.
- Reducing structural design requirements with regards to seismic bracing, especially with the new slim line ceiling grids.
- Easier to install and position in both solid and grid ceilings.
- High thermal resistance.
- Round/Oval/Square/Rectangular spigots (can be supplied loose).
- Duct flange options also available.
- Minimal impact on the environment being CFC free.

