

HCV/HDC Building Product Information Sheet

Version 1.0 – Issued 18/06/24

Product

Product name	Single/Dual Duct VAV Terminal
Product type	Variable Air Volume Box
Product Identifiers	HCV/HDC

Product description and intended use

- The HCV is a line of single duct VAV box whereas the HDC is a line of dual duct VAV boxes.
- The HCV and HDC are available in the follow set square or round inlet sizes: 100, 125, 150, 175, 200, 225, 250, 300, 350, 400. The HCV is also available with a larger square 600x400 inlet.
- Reheat options are available by either hot water coils or electric coils.
- Outlet attenuators, round or multi-outlets are available upon request.

Relevant NZBC clauses

- Clause B2 Durability: Performance B2.3.1 (c) 5 Years
- Clause H1 Energy Efficiency: Performance H1.3.6

Contributions to compliance with NZBC

- **B2:** The lifespan of the HCV/HDC will vary based on the environment it is installed in. For a standard HVAC installation, the HCV/HDC would provide a durability of a minimum of 5 years. Excessively corrosive or harmful environments or exposure to fire, heat or water will reduce the lifespan of the HCV/HDC.
- **H1:** The maximum temperature difference due to reheat of 7.5K at nominal airflow up to a maximum of 15K at 50% turndown. Temperature rise can be proportional to turn down rate.
- **H1:** For a hot water VAV in the index run, the maximum pressure drop across the hot water coils would be: 30Pa for single row, 50Pa for two rows and 90Pa for four rows.
- **H1:** The pressure drop across a VAV box, with the damper in the fully open position, must not exceed 100Pa for boxes with electric reheat or for all other units 25Pa not including the coil pressure losses.
- **H1:** The maximum allowable pressure drop across the optional outlet attenuator is 40Pa.

Relevant standards

- N/A

Conditions and limitations of use

- The HCV/HDC should be specified by a suitably qualified engineer.
- The HCV/HDC should be installed by a suitably qualified and trained tradesperson.

Warnings and bans

The HCV/HDC is **not** subject to a warning or ban under section 26 of the Building Act 2004.

Installation details and product datasheet

The HCV/HDC product datasheets and installation details can be found on our [website](#).

Maintenance requirements

The HCV/HDC should be routinely inspected and tested to ensure that it is functioning correctly.

Manufacture details

Manufacture location	New Zealand
Manufactured by	Price Holyoake (NZ) Ltd T/A Holyoake Air Management Solutions by Price
Manufacturer NZBN	9429048831215
Manufacturer website	Holyoakebyprice.nz
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Declaration

Price Holyoake (NZ) Ltd has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Version History

Version number	Written by	Date issued	Changes from previous document
V1.0	ST	18/06/24	First issue