HOLYOAKE
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HCD150 Building Product Information Sheet

Version 1.1 – Issued 20/09/24

Product

Product name	HCD150 Airfloil Control Damper
Product type	Volume Control Damper
Product Identifiers	HCD150 FOP/COP/FPL/CPL

Product description and intended use

- The HCD150 is a line of mechanical volume control dampers designed for use within ventilation systems.
- HCD150 dampers are fabricated from 6063 T5 extruded aluminium aerofoil blades with extruded EPDM blade edges, aluminium side seals fitted within a 6063 T5 aluminium frame.
- Each unit is fabricated to the required width and height dimensions for each job.
- The HCD150 is available with either a 35mm mounting flange or in a standard or low-profile channel frame.
- The basic construction of the HCD150 is consistent throughout each sub model with slight design variations to suit parallel or opposed blade operation.
- The HCD150 must always be installed with the blades horizontal.
- The HCD150 is offered with either a manual locking quadrant or a motorised shaft.
- Actuators are available in either 24V or 230V.

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 clauses

- **B2:** The lifespan of the HCD150 will vary based on the environment it is installed in. For a standard HVAC installation, the HCD150 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 HCD150.
- **H1:** When deactivated, an air conditioning system within a commercial building shall close any motorised damper that is installed within an air pathway between the air-conditioned space and outside and that is not otherwise being controlled.
- **H1:** An air conditioning system within a commercial building shall be provided with balancing dampers and/or variable speed fans that ensure the maximum design air flow is achieved but not exceeded by more that 15% above design at each component or group of components operating under a common control system.
- **H1:** When installed in a commercial building the HCD150 must be designed to have a maximum pressure drop when fully open of 25 Pa.

Relevant standards

- N/A

Conditions and limitations of use

- The HCD150 should be specified by a suitably qualified engineer.
- The HCD150 should be installed by a suitably qualified and trained tradesperson.

Warnings and bans

The HCD150 is **not** subject to a warning or ban under section 26 of the Building Act 2004.

Installation details and product datasheet

The HCD150 product datasheet and installation details can be found on our website.

Maintenance requirements

The HCD150 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
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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	05/06/24	First issue
V1.1	ST	20/09/24	Updated Christchurch Address and website URL