

# HCD225 Building Product Information Sheet

Version 1.1 – Issued 20/09/24

## Product

<b>Product name</b>	HCD225 – Heavy Duty Control Damper
<b>Product type</b>	Heavy Duty Volume Control Damper
<b>Product Identifiers</b>	HCD225

## Product description and intended use

- The HCD225 is a heavy-duty mechanical volume control damper designed for use within ventilation systems. This damper is designed for areas of extremely high differential pressure, high turbulence, high velocity, or severe buffeting, which prevent the use of a standard control damper.
- HCD225 dampers are fabricated from 6063 T5 extruded aluminium aerofoil blades, 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 HCD225 is available with either a 50mm mounting flange or in a standard or low-profile channel frame.
- The HCD225 is only available with parallel blade rotation only.
- The HCD225 must always be installed with the blades horizontal.
- The HCD225 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 HCD225 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 HCD225.
- **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 than 15% above design at each component or group of components operating under a common control system.
- **H1:** When installed in a commercial building the HCD225 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 HCD225 should be specified by a suitably qualified engineer.
- The HCD225 should be installed by a suitably qualified and trained tradesperson.

## Warnings and bans

The HCD225 is **not** subject to a warning or ban under section 26 of the Building Act 2004.

## Installation details and product datasheet

The HCD225 product datasheet and installation details can be found on our [website](#).

## Maintenance requirements

The HCD225 should be routinely inspected and tested to ensure that it is functioning correctly.

## Manufacture details

<b>Manufacture location</b>	New Zealand
<b>Manufactured by</b>	Price Holyoake (NZ) Ltd T/A Holyoake Air Management Solutions by Price
<b>Manufacturer NZBN</b>	9429048831215
<b>Manufacturer website</b>	<a href="http://Holyoake.com">Holyoake.com</a>
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<b>Wellington office email</b>	Wellington@holyoake.com
<b>Wellington office phone number</b>	(04) 232 2722
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<b>Christchurch office phone number</b>	(03) 366 6545

## 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

<b>Version number</b>	<b>Written by</b>	<b>Date issued</b>	<b>Changes from previous document</b>
V1.0	ST	05/06/24	First issue
V1.1	ST	20/09/24	Updated Christchurch Address and website URL