

HBD155 Building Product Information Sheet

Version 1.1 – Issued 20/09/24

Product

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| Product name | HBD155 Balancing Damper |
| Product type | Volume Control Damper |
| Product Identifiers | HBD155 FOP/FPL |

Product description and intended use

- The HBD155 is a line of mechanical volume control dampers designed for use within ventilation systems.
- HBD155 dampers are fabricated from 6063 T5 extruded aluminium blades and frame.
- Each unit is fabricated to the required width and height dimensions for each job.
- The HBD155 is available with a 35mm mounting flange.
- The basic construction of the HBD155 is consistent throughout each sub model with slight design variations to suit parallel or opposed blade operation.
- The HBD155 must always be installed with the blades horizontal.
- The HBD155 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

- **B2:** The lifespan of the HBD155 will vary based on the environment it is installed in. For a standard HVAC installation, the HBD155 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 HBD155.
- **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 HBD155 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 HBD155 should be specified by a suitably qualified engineer.
- The HBD155 should be installed by a suitably qualified and trained tradesperson.

Warnings and bans

The HBD155 is **not** subject to a warning or ban under section 26 of the Building Act 2004.

Installation details and product datasheet

The HBD155 product datasheet and installation details can be found on our [website](#).

Maintenance requirements

The HBD155 should be routinely inspected and tested to ensure that it is functioning correctly.

Manufacture details

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| Manufacture location | New Zealand |
| Manufactured by | Price Holyoake (NZ) Ltd T/A Holyoake Air Management Solutions by Price |
| Manufacturer NZBN | 9429048831215 |
| Manufacturer website | Holyoake.com |
| Auckland address for service | 67 Greenmount Drive, East Tamaki, Auckland 2013 |
| Auckland office email | Auckland@holyoake.com |
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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 |