

HBD155 Building Product Information Sheet

Version 1.0 – Issued 05/06/24

Product

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

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	05/06/24	First issue