

High Capacity Barrel Diffuser Building Product Information Sheet

Version 1.0 – Issued 11/06/24

Product

Product name	High Capacity Barrel Diffuser
Product type	Diffuser
Product Identifiers	BHC

Product description and intended use

- The High Capacity Barrel Diffuser is designed for applications that require long throws and large volumes of air movement. Some examples include large retail outlets, gyms, or factories.
- These diffusers are available in either anodized, mill or powder coat finishes.
- The two available sizes are 635W x 300H and 1270W x 300H
- The throw can be adjusted automatically by either use of an actuator or thermal power pill.
- Actuators are available in either 24V or 230V configurations.
- The thermal pill does not require any electrical connection.

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 BHC will vary based on the environment it is installed in. For a standard HVAC installation, the BHC 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 BHC.
- **H1:** When installed in a commercial building as a supply diffuser the BHC must be designed to have a maximum pressure drop of 40Pa.
- **H1:** When installed in a commercial building as an exhaust grille the BHC must be designed to have a maximum pressure drop of BHC.

Relevant standards

- N/A

Conditions and limitations of use

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

Warnings and bans

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

Installation details and product datasheet

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

Maintenance requirements

N/A

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
Auckland address for service	67 Greenmount Drive, East Tamaki, Auckland 2013
Auckland office email	Auckland@holyoake.com
Auckland office phone number	(09) 274 4144
Wellington address for service	89 Main Road, Tawa, Wellington 5028
Wellington office email	Wellington@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	Created by	Date issued	Changes from previous document
V1.0	ST	11/06/24	First issue