

# Displacement Diffuser Building Product Information Sheet

Version 1.1 – Issued 20/09/24

## Product

<b>Product name</b>	Displacement Diffuser
<b>Product type</b>	Diffuser
<b>Product Identifiers</b>	DS

## Product description and intended use

- The DS is a type of displacement diffuser designed for step or wall mounting.
- The DS is designed for applications that require large volumes of air to be conditioned without drafts and with low noise such as Auditoriums and theatres.
- The DS is constructed from aluminium and is available in mill or powder coat finish.
- The DS is available in two flange styles: either the narrow (17mm) or wide (25mm). The wide flange is compatible with our removable core system.
- The DS utilises a pressure plate, a diffusion plate, and a front decorative plate to maintain a significant pressure drop even at low airflows. This allows the diffuser to be used in a common plenum system without the need for balancing dampers.

## 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 DS will vary based on the environment it is installed in. For a standard HVAC installation, the DS 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 DS.
- **H1:** When installed in a commercial building as a supply diffuser the DS must be designed to have a maximum pressure drop of 40Pa.
- **H1:** When installed in a commercial building as an exhaust grille the DS must be designed to have a maximum pressure drop of 30Pa.

## Relevant standards

- N/A

## Conditions and limitations of use

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

## Warnings and bans

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

## Installation details and product datasheet

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

## Maintenance requirements

N/A

## 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>
<b>Auckland address for service</b>	67 Greenmount Drive, East Tamaki, Auckland 2013
<b>Auckland office email</b>	Auckland@holyoake.com
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<b>Wellington address for service</b>	89 Main Road, Tawa, Wellington 5028
<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>Created by</b>	<b>Date issued</b>	<b>Changes from previous document</b>
V1.0	ST	11/06/24	First issue
V1.1	ST	20/09/24	Updated Christchurch Address and website URL