

# Round Floor Mounted Displacement Diffuser Building Product Information Sheet

Version 1.1 – Issued 20/09/24

## Product

<b>Product name</b>	Round Floor Mounted Displacement Diffuser
<b>Product type</b>	Diffuser
<b>Product Identifiers</b>	DFR

## Product description and intended use

- The DFR are a type of displacement diffuser designed for floor mounting.
- The DFR 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 DFR is constructed from zinc coated steel and the standard finish is powder coat black. The DFR is also available in mill finish or a custom powder coat.
- The DFR utilises a pressure plate and a diffusion plate to maintain a significant pressure drop 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 DFR will vary based on the environment it is installed in. For a standard HVAC installation, the DFR 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 DFR.
- **H1:** When installed in a commercial building as a supply diffuser the DFR must be designed to have a maximum pressure drop of 40Pa.
- **H1:** When installed in a commercial building as an exhaust grille the DFR must be designed to have a maximum pressure drop of 30Pa.

## Relevant standards

- N/A

## Conditions and limitations of use

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

## Warnings and bans

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

## Installation details and product datasheet

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

## Maintenance requirements

N/A

## Manufacture details

<b>Manufacture location</b>	China
<b>Designed and imported by</b>	Price Holyoake (NZ) Ltd T/A Holyoake Air Management Solutions by Price
<b>Importer NZBN</b>	9429048831215
<b>Importer website</b>	<a href="http://Holyoake.com">Holyoake.com</a>
<b>Auckland address for service</b>	67 Greenmount Drive, East Tamaki, Auckland 2013
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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

<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