

# HCD150ET Building Product Information Sheet

Version 1.1 – Issued 20/09/24

## Product

<b>Product name</b>	HCD150ET
<b>Product type</b>	Smoke Damper
<b>Product Identifiers</b>	HCD150ET FOP/COP/FPL/CPL

## Product description and intended use

- The HCD150ET is a line of mechanical smoke dampers designed for use within ventilation systems to maintain the smoke barrier in the event of a fire.
- HCD150ET dampers are fabricated from 6063 T5 extruded aluminium aerofoil blades with extruded silicone blade edges, aluminium side seals fitted within a 6063 T5 aluminium frame.
- Each unit is fabricated to the required width and height dimensions for each job.
- The HCD150ET is available with either a 35mm mounting flange or in a channel frame.
- The HCD150ET can be installed up to 600mm away from the smoke barrier and must be installed with smoke rated ductwork.
- The basic construction of the HCD150ET is consistent throughout each sub model with slight design variations to suit parallel or opposed blade operation.
- The HCD150ET must always be installed with the blades horizontal.
- Spring Return actuators are available in either 24V or 230V. For compliance with AS1682.1:2015 the actuators are required to have a run time of no more than 30 seconds in both directions.

## Relevant NZBC clauses

- Clause B2 Durability: Performance B2.3.1 (c) 5 Years
- Clause C3 Fire Affecting Areas Beyond the Fire Source: Functional C3.1
- Clause C4 Movement to Place of Safety: Functional C4.2
- Clause H1 Energy Efficiency: Performance H1.3.6

## Contributions to compliance with NZBC clauses

- **B2:** The lifespan of the HCD150ET will vary based on the environment it is installed in. For a standard HVAC installation, the HCD150ET 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 HCD150ET.
- **C3/C4:** The HCD150ET complies with AS1682.1 and AS1682.2 and can be actuated on alarm activation.
- **C4:** Where evacuation is delayed, ventilation ducts that pass through a fire separation to a place of safety within the building must be provided with a smoke damper.
- **H1:** When installed in a commercial building the HCD150ET must be designed to have a maximum pressure drop when fully open of 15 Pa.

## Relevant standards

- HCD150ET dampers are designed to and compliant with AS1682.1 and AS1682.2
- HCD150ET dampers are tested to AS1530.7-2007
- HCD150ET dampers should be maintained to AS1851-2012.

## Conditions and limitations of use

- The HCD150ET should be specified by a suitably qualified mechanical or fire engineer based on the integrity requirements of the fire barrier.
- The HCD150ET should be installed by a suitably qualified and trained tradesperson. Holyoake representatives are available to provide installation training upon request.
- The HCD150ET must be installed exactly as per the tested or assessed detail or have its installation specifically signed off by a fire engineer.

## Warnings and bans

The HCD150ET is **not** subject to a warning or ban under section 26 of the Building Act 2004.

## Installation details and product datasheet

The HCD150ET product datasheet and installation details can be found on our [website](#).

## Maintenance requirements

The HCD150ET should be inspected and subjected to a routine annual service according to AS1851-2012. Inspect 20% of the smoke dampers in a building annually, such that at the end of the fifth year all dampers have been inspected. Where a significant number of dampers fail, are unable to close, corroded, or otherwise incapable of performing satisfactorily, all dampers shall be inspected within the next twelve-month period. A failure rate of 10% of the 20% annually tested shall be regarded as significant.

## Manufacture details

**Manufacture location**  
**Manufactured by**

New Zealand  
Price Holyoake (NZ) Ltd T/A Holyoake Air  
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**Manufacturer NZBN**  
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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	07/06/24	First issue
V1.1	ST	20/09/24	Updated Christchurch Address and website URL