

HCD75ET Building Product Information Sheet

Version 1.1 – Issued 20/09/24

Product

Product name	HCD75ET
Product type	Smoke Damper
Product Identifiers	HCD75ET FOP/FPL

Product description and intended use

- The HCD75ET is a line of mechanical smoke dampers designed for use within ventilation systems to maintain a smoke barrier in the event of a fire.
- HCD75ET 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 HCD75ET is available with a 25mm mounting flange.
- The HCD75ET can be installed up to 600mm away from the smoke barrier and must be installed with smoke rated ductwork.
- The basic construction of the HCD75ET is consistent throughout each sub model with slight design variations to suit parallel or opposed blade operation.
- The HCD75ET 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

- **B2:** The lifespan of the HCD75ET will vary based on the environment it is installed in. For a standard HVAC installation, the HCD75ET 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 HCD75ET.
- **C3/C4:** The HCD75ET 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 HCD75ET must be designed to have a maximum pressure drop when fully open of 15 Pa.

Relevant standards

- HCD75ET dampers are designed to and compliant with AS1682.1 and AS1682.2
- HCD75ET dampers are tested to AS1530.7-2007 (as a variation of the HCD150ET)
- HCD75ET dampers should be maintained to AS1851-2012.

Conditions and limitations of use

- The HCD75ET should be specified by a suitably qualified mechanical or fire engineer based on the integrity requirements of the fire barrier.
- The HCD75ET should be installed by a suitably qualified and trained tradesperson. Holyoake representatives are available to provide installation training upon request.
- The HCD75ET 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 HCD75ET is **not** subject to a warning or ban under section 26 of the Building Act 2004.

Installation details and product datasheet

The HCD75ET product datasheet and installation details can be found on our [website](#).

Maintenance requirements

The HCD75ET 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

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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