



WINNER

**PASSIVE FIRE PROTECTION
INNOVATION OF THE YEAR**

DATASHEET | SMOKE CONTROL DAMPER

DEFENDER F2 EI 60 S & E 120 S

PRODUCT DESCRIPTION

The Colt DEFENDER F2 EI 60 S & E 120 S is a fire rated smoke control damper that controls the movement of smoke through a building. It forms part of a smoke ventilation system.

FEATURES & BENEFITS

- Unique design creates a flush finish with the wall when closed, making it extremely discreet when installed
- External surfaces can be painted to match surrounding walls
- Constructed from mild steel and fire rated A1 noncombustible calcium silicate board
- Mineral wool insulation
- Advanced, multi-stage sealing system ensures smoke leakage is controlled in both ambient and fire conditions
- Fire rated to provide 60 or 120 minutes of integrity and insulation when closed
- Tested to EN 1363-1 and BS EN 1366 Parts 2 and 10
- Motor release from the corridor/lobby side for ease of maintenance.



Description

The Colt Defender F2 has been specifically designed for use within mechanical shaft ventilation applications. This discreet fire rated smoke control damper is ideally suited to the Colt Shaft system, and can be controlled as part of the shaft system network.

Dimensions:

Aperture size 564mm x 1,151mm. Overall dimensions, including perforated bead edge to allow plaster finish right up to aperture edge, 740mm x 1,325mm.

Colour finishes/options:

Standard finish is white RAL 9010 matt, satin or gloss. Other colours are available on request.

Maintenance:

The Colt Defender F2 has been designed for ease of installation and maintenance without having to gain access to the shaft.

Design:

The unique design of the Defender F2 allows it to be as unobtrusive as possible and blend in with the surroundings. External surfaces can be treated with conventional interior paint to match surrounding walls.



Invisible Smoke Control



Unobtrusive when closed.



Effective ventilation when open.



Easy installation.



A bead edge profile is fixed to align with the opening edge to allow a plaster finish to be skimmed up to the opening.



Skimmed finish and damper panel can then both be painted to match.



Plaster and site paint finish in any standard interior wall paint or emulsion.

Test results of the test specimens

Classification to EN13501-4							
Integrity (min)	Insulation (min)	Smoke sealing (min)	Test pressure (Pa)	Direction of testing	Orientation of installation	Opening type	Activation method Automatic/Manual
150	-	150	1000	i ↔ o	Ved	C10000	AA

KEY FEATURES

Certified to EN 12101 Part 8 and is classified to EN 13501-4

*EI60 (Ved i ↔ o) S 1000 C300 AA Multi or
E120 (Ved i ↔ o) S 1000 C300 AA Multi*

Fire Integrity = 60 or 120 minutes in both directions

Insulation = 60 or 120 minutes in both directions

Suitable for installation in vertical ducts or shafts

Smoke sealed

Tested under pressure = 1000Pa

Tested for 300 & 10000 cycles – suitable for testing once a month for 25 years

Suitable for Automatic Activation

Multi compartment

Suitable for applications covered by ADB/9999/9991/SCA Guide

CE and UKCA Marked

