

## Volet de désenfumage

11044000

OPTONE®-H + Grille 1/1-flap - VDS24 - 400x650

The OPTONE-H «+ Grille» damper is used for smoke and heat exhaust on ducting in residential buildings in categories 3B or 4.



## PRODUCT BENEFITS

- metal trim, aesthetic and vandal-proof,
- shallow articulation range,
- simplified cable inputs and outputs.

## Principles of operation

The damper is closed in standby position. It opens when instructed by the ORDONE control panel, then moves into safety position.

## Product description

The OPTONE-H «+ Grille» damper is used for smoke and heat exhaust on ducting in residential buildings in categories 3B or 4. It is ideal for installation in a standard 400x500 mm duct (20 dm<sup>2</sup>). The OPTONE-H «+ Grille» damper features a 24V current-make trigger mechanism. However it is not fitted with signal contacts and is unable to receive them.

## Fields of application

Multi-occupancy residential housing, New, Refurbishment

## Installation

- installation direction: “fire in the duct”,
- surface-mounted on a smoke and heat exhaust duct CF 1h fire rating
- attachment of OPTONE-H «+ Grille» on mounting frame recommended,
- install the OPTONE-H «+ Grille» with the clips at the top to installed the fin core:
  - at the bottom for a VB damper,
  - at the top for a VH damper.
- for installation with mortar-sealed mounting frame on concrete duct, add at least 100 mm for mortar,
- for other dimensions use the OPTONE range.

## Reference arguments

- OPTONE T smoke control dampers extract smoke and hot gases when in the safety position, i.e. open.
- In standby position (closed), they prevent the propagation of fire from the smoke exhaust duct to other storeys. They can be installed in all non-residential buildings (hotels, care homes, offices, hospitals, etc.).
- OPTONE dampers are available with an integrated grille (OPTONE “+Grille”) and a separate grille (OPTONE “Classic”). The range also offers one-flap or two-flap versions. The whole damper range can be motorised in factory or on site.

## Main characteristics

- CE marking compliant as per EN 12101-8.
- free air passage of 20.3 dm<sup>2</sup>,
- first smoke control damper certified EI 60 S compliant with European standard NF EN 1366-10,
- identical damper for smoke and heat exhaust (VH) and air inlet (VB),
- 1-hour fire resistant in accordance with decision of 31 January 1986. Ideal for installation on standard duct 400 x 500 mm,
- electromagnetic trip device VDS 24 V DC auto-reset,
- mounting frame can be installed in factory,
- cable through holes included,
- grille with removable core,
- connection terminal block: protected by a plastic cover,
- individually packed,
- for a damper fitted with signalling contacts, use the OPTONE T damper range.

Volet de désenfumage

## 11044000

### OPTONE®-H + Grille 1/1-flap - VDS24 - 400x650

#### Supplementary characteristics

- mounting frame:
  - galvanised steel 20/10 mm,
  - suited for installation on concrete and on lightweight materials such as Promatect, Supalux or Tecriver,
  - drilled to enable passage of electric cables,
  - fitted with sealing lugs and holes to receive damper screws.
- top/down reversible,
- 70 mm depth for good mechanical strength.

#### Accessories

Description	Variants
Adapter OPTONE-H + Grille - 400x650	11044001

#### General data

Variants	Free air passage section (dm²)	Free air passage section (mm x mm)
11044000	20,3	343 x 593

#### Dimensional data

Variants	L x H (mm)	Flap penetrating side (excluding frame) (mm)	Grille overall – flap overall (mm)	Minimum duct depth (mm)	Opening with mounting frame (without sealing) (mm)
11044000	400 x 650	483 x 633	443 x 693	425	400 x 650

