

# 11043057

## ISONE® 1500 with sleeve

ISONE 1500 with sleeve is part of a range of flush-mounted fire dampers; certified up to EI240S and 1500 Pa, optimised for high rise buildings.



### PRODUCT BENEFITS

- traditional mortar seal, no attachment accessories,
- scalable mechanism: all equipment can be inserted by hand,
- dual-voltage (24/48V) trip device: control errors impossible.

### REGULATIONS AND COMPLIANCES

PV CE number : 1812-CPR-1016

### Principles of operation

The damper is open in normal position. In case of fire, the damper closes to prevent the propagation of fire and smoke in other compartments. Its closure may be controlled thermally or centrally (scalable mechanism).

### Product description

ISONE 1500 with sleeve is a flush-mounted fire damper used for the compartmentation of commercial buildings (public-access building, high-rise, etc.). It is suited to ventilation systems operating at a pressure above 500 Pa and below 1500 Pa. The range features a scalable mechanism, easy wiring using the removable terminal block and multiple installation possibilities.

### Installation

- embedded in a 110 mm concrete wall,
- embedded in a 150 mm concrete slab (limited to 600 x 600 mm at 1500 Pa),
- traditional mortar seal, no mounting accessories required,
- opening dimensions (mm) = (X+100) x (Y+100),
- damper blade axis must be horizontal or vertical,
- for sections not in price list, use gang mounting based on compliant dimensions,
- Gang mounting:
  - glue the damper faces in contact using suitable adhesive (code 11043056),
  - fix the surfaces in contact using VBA screws 5x40 mm, spaced every 150 mm or so,
  - for a connection using rebate flanges, it is possible to notch the sleeves over a few mm.
- Comply with fire protection rating reports for installation.

### Main characteristics

- certified and compliant with NF-S-61937-5,
- CE marked as per EN 15650, no.1812-CPD-1016,
- approved installation, no attachment accessories:
  - EI 120 S - 1500 Pa in 110 mm concrete wall,
  - EI 120 S - 1500 Pa in 150 mm concrete slab up to 600 x 600.
- gang installation approved in concrete wall:
  - EI 90 S - 1500 Pa
  - EI 120 S - 500 Pa
- 70°C fusible link included,
- rectangular duct components made of refractory material,
- sleeves fixed to ends for connection to rectangular ducting,
- mobile flap made of refractory material, closing on stops,
- ISONE type upgradable mechanism,
- easy cabling using the removable terminal block.

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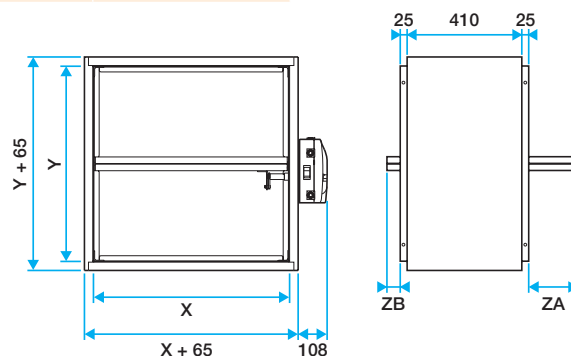
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### Supplementary characteristics

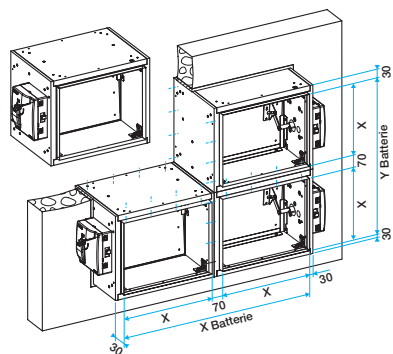
- for gang installation, select the damper dimensions and deduct 70 mm for the thickness of the 2 faces in contact,
- example for a gang 1800 x 1200, it is possible to use 4 dampers X and Y:  
 -  $X = (1800 - 70) / 2 = 865$  mm,  
 -  $Y = (1200 - 70) / 2 = 565$  mm.

### Accessories

Description	Variants
Assembly adhesive ISONE® 1500 (1.5 kg pot)	11043056



### Installation



Montage en batterie