**REGULATIONS AND COMPLIANCES** PV CE number : 1812-CPR-1837



ISONE® 2.1 dampers are simple to select: a single model for all partitions and all fire resistance levels.



## PRODUCT BENEFITS

- Single damper model for all partitions: easy to select Ergonomic quick reset handle: 2 seconds suffice. Optional stainless steel pin for harsh environments Optional remote control box, 0.7 m or 3 m cord ALDES SecurONE application for damper data collection and sharing

## **Principles of operation**

- The damper is open in standby position.
- It opens when instructed by the FACP or thermal rod and moves into safety position (closed).
- Being motorised, it can be reset remotely.

## **Produktbeskrivelse**

Fire dampers for non-residential buildings (public access building, high-rise)

They restore the fire resistance of partition walls crossed by a ventilation duct.

Equipped with 70°C fusible link trip device by default

Controllable by electromagnetic coil trip device: 24/48 V DC current emission; 24 V DC or 48 V DC current break

Reset motor 24/48 V AC/DC

Fire resistance up to 120 minutes on all common partition walls

ISONE® 2.1 Rectangular PM:

- (LxH): from 200x100 to 800x600 mm,
- ISONE® 2.1 control mechanism.
- ISONE® 2.1 GM Rectangular:
- (LxH): L•800, H•600, up to 1500x500 / 1000x1000.

## **Fields of application**

New, Refurbishment, Non-residential buildings

#### Installation

- Mounted on lightweight partition with no seal, even with post-fitted frame,
- Embedded installation on:
- Concrete and aerated concrete wall/slab
- Plaster block wall
- Type A plasterboards (1h) and type F (2h)
- Remote mounting on PROMAT / GEOSTAF using the EASYNSTALL kits,
- Easy to mount on lightweight partitions thanks to the installation brackets,
- Easynstall kit for simple mounting of rectangular dampers in type A lightweight partition (60 minutes),
- Adapter part for connection to oblong ducting,
- EXAP EN 15882-2:2015, rules X.45 and X.46: extended opening dimensions,
- Comply with fire resistance classification reports during installation.

## **Main characteristics**

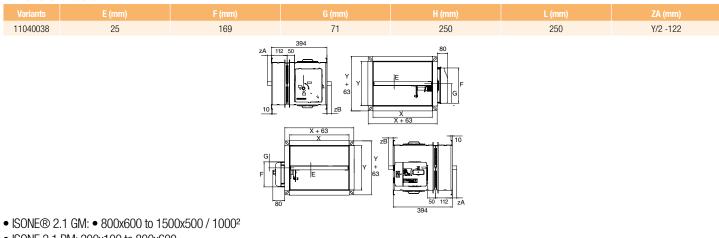
- Certified and compliant with NF S 61937-5 and NF 537
- CE marked as per EN 15650: 1812-CPR-1837
- Class C airtight properties as per EN 1751 as standard
- El 120 S 500 Pa on concrete / aerated concrete walls and slabs, type F plasterboard, remote installation on PROMAT / Geostaff
- EXAP EN 15882-2:2015, rules X.45 and X.46.
- Range from 200x100 mm to 1500x500 mm / 1000x1000 mm

## **Flexible duct** 11040038

## **Supplementary characteristics**

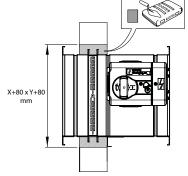
- Fully upgradable mechanism
- Single damper adaptable to all walls
- Lightweight wall installation with post-fitted frame
- Reset handle indicating damper position
- Wide electrical connection box
- Optional stainless steel pin for harsh environments
- Easynstall kit for simple installation in lightweight partition
- Optional remote control unit
- Low pressure loss

## **Dimensional data**

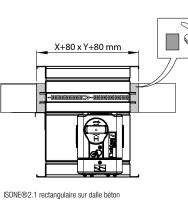


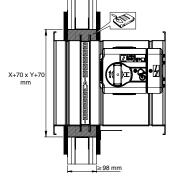
• ISONE 2.1 PM: 200x100 to 800x600

## Installation

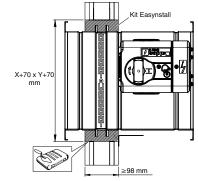


ISONE®2.1 rectangulaire sur mur béton





ISONE®2.1 rectangulaire sur cloison légère 120 minutes





X+70 x Y+70 X+145 x Y+145 mm mm

ISONE®2.1 rectangulaire sur cloison carreaux de platre 120 minutes





# Flexible duct 11040038

## **Principles of operation**



- > 1: installation bracket
- > 2: manufacturer's plate
- > 3: ISONE®2.1 PM mechanism
- > 4: blade thickness 25 mm (PM model) or 50 mm (GM model)
- > 5: 30 mm connection flange