

# FD40

Fire damper, rectangular, damper blade 40 mm

CE marked in accordance with EN 15650:2010

Tested in accordance with EN 1366- 2

Classified in accordance with EN 13501- 3

LUKA C/ATC 3

## Use

The rectangular fire dampers type FD40 can be used in fire and smoke-separating walls and floors. If they are incorporated in accordance with the instructions, there is a fire resistance of up to 120 minutes depending on how they are built in. The fire dampers have two standard inspection openings. For rapid fitting, the damper is available with a pre-fitted mounting frame. A smoke sensor is available as an optional accessory. For the classification list and the corresponding installation instructions, please see the manual on our website. Certified use requires compliance with the installation instructions in the [manual](#).

## Characteristics

- Available in dimensions from (W x H) 800 x 600 mm to (W x H) 1500 x 800 mm. For battery fitting, smaller dimensions are also available.
- Fitting can be horizontal or vertical, in any flow direction.
- Two standard round inspection openings of 39 mm.
- Airtightness class C over the housing in accordance with EN1751 (LUKA C)/ATC3.
- Airtightness class 3 over the damper blade in accordance with EN1751.
- Hygiene certificate in accordance with VDI 6022.

## Finish

housing:	galvanised sheet steel
damper blade:	heat-resistant, thickness 40 mm
fusible link:	72 °C

### Optional (information available on request)

- Can be composed up to greater dimensions, with FDA CF100BATT and FDA CF100BATT 2 x 2 assembly set, see the [manual](#) for battery fitting instructions.
  - Galvanised sheet steel with internal and external powder coating.
  - Stainless steel EN1.4301/EN1.4401/EN1.4404 (AISI 304/316/316L).
  - Stainless steel EN1.4301/EN1.4401/EN1.4404 (AISI 304/316/316L) with internal and external powder coating.
  - Motor-operated version with 95 °C fusible link.
  - Belimo supply and/or communication module BKN-230-24-MOD.
- For other versions, please ask our sales department.

## Available types

### FD 4 0

- F** fire-resistant
- D** damper, square or rectangular
- 40** damper blade thickness 40 mm

#### - Mounting frame

- O** none
- MF2** mounting frame 2

#### - Operation

- Manual
- R** without end switches
- RS** with end switches
- EMS-S** with solenoid 24/48 VDC and end switches, magnetic with a supply, (information available on request)

#### Motor-operated

- M24S** Belimo 24V
- M230S** Belimo 230V
- M24S-ST** Belimo 24V plug-and-play for connection to Belimo supply and/or communication modules
- EX** ATEX classified Schischek 230/24V servomotor explosion-safe (information available on request)

#### - Accessory

- O** none
- UG** smoke sensor (cannot be used in combination with operating option R, RS or EMS-S).

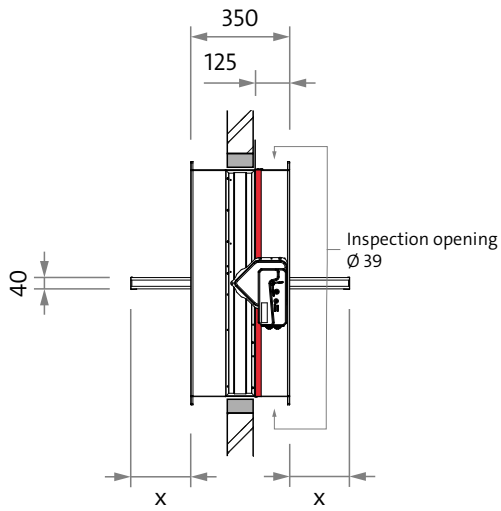
Check [SA-select](#) to create extended order codes and selection details online. **NB!** At this moment, SA-Select is only available in Dutch. But it is possible to create extended order codes and selection details online.

## Classified in accordance with EN 13501-3

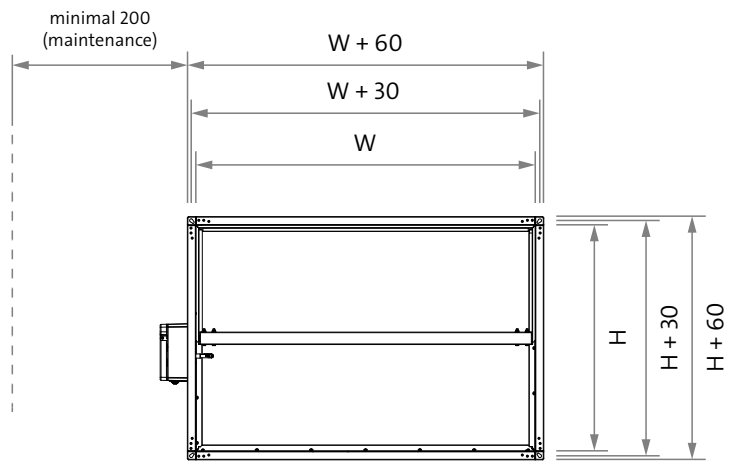
For a full classification overview with the various sealing methods, we refer to the [manual](#).

**Dimensions**

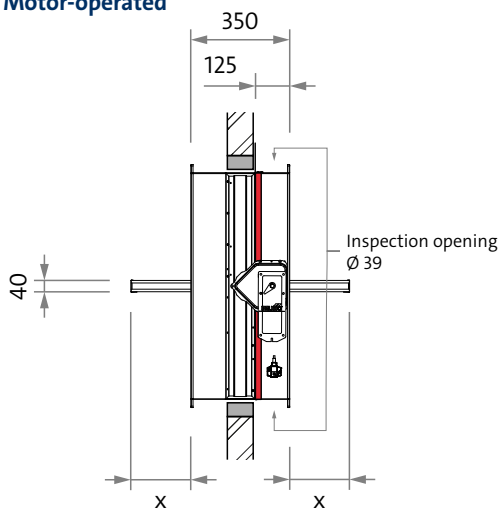
**Manual**



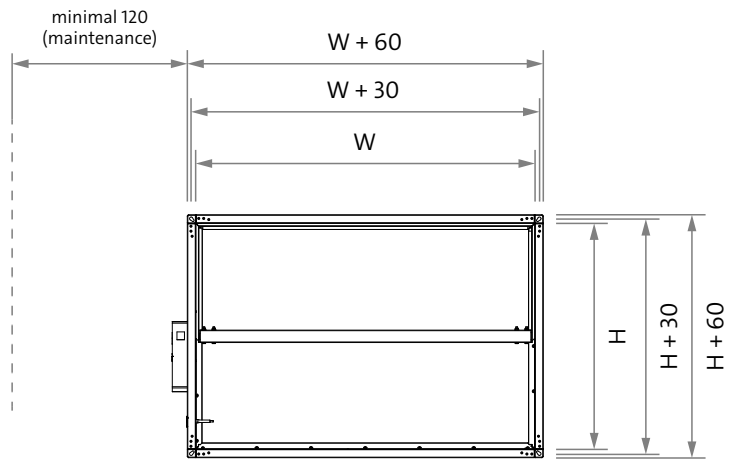
FD40 O R



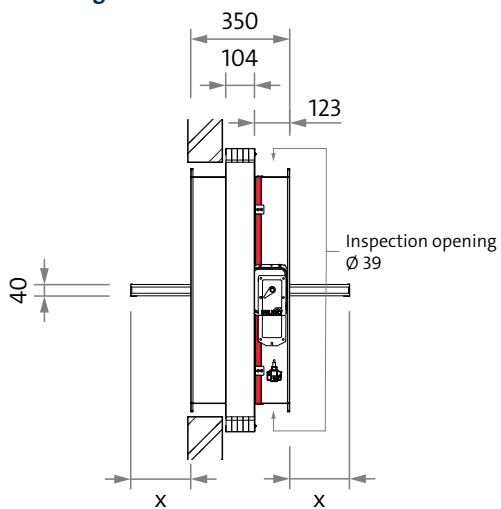
**Motor-operated**



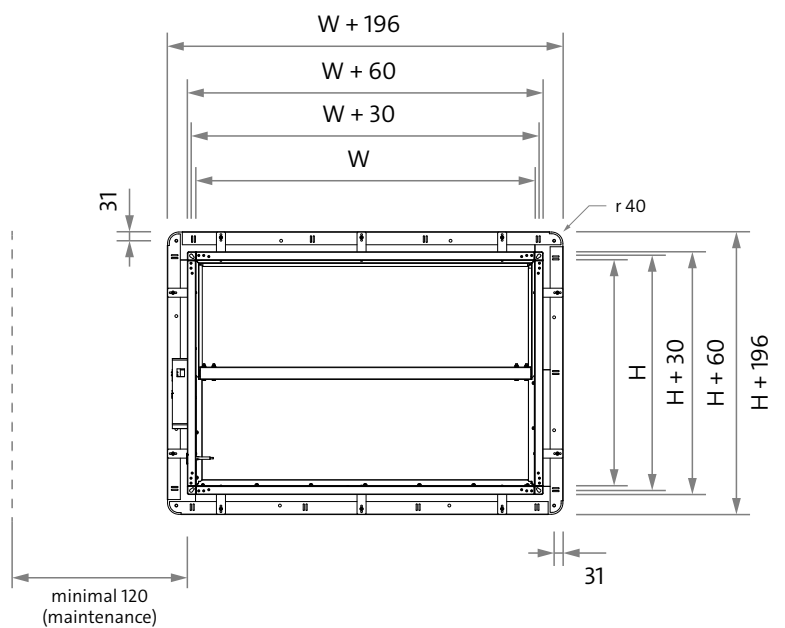
FD40 O M



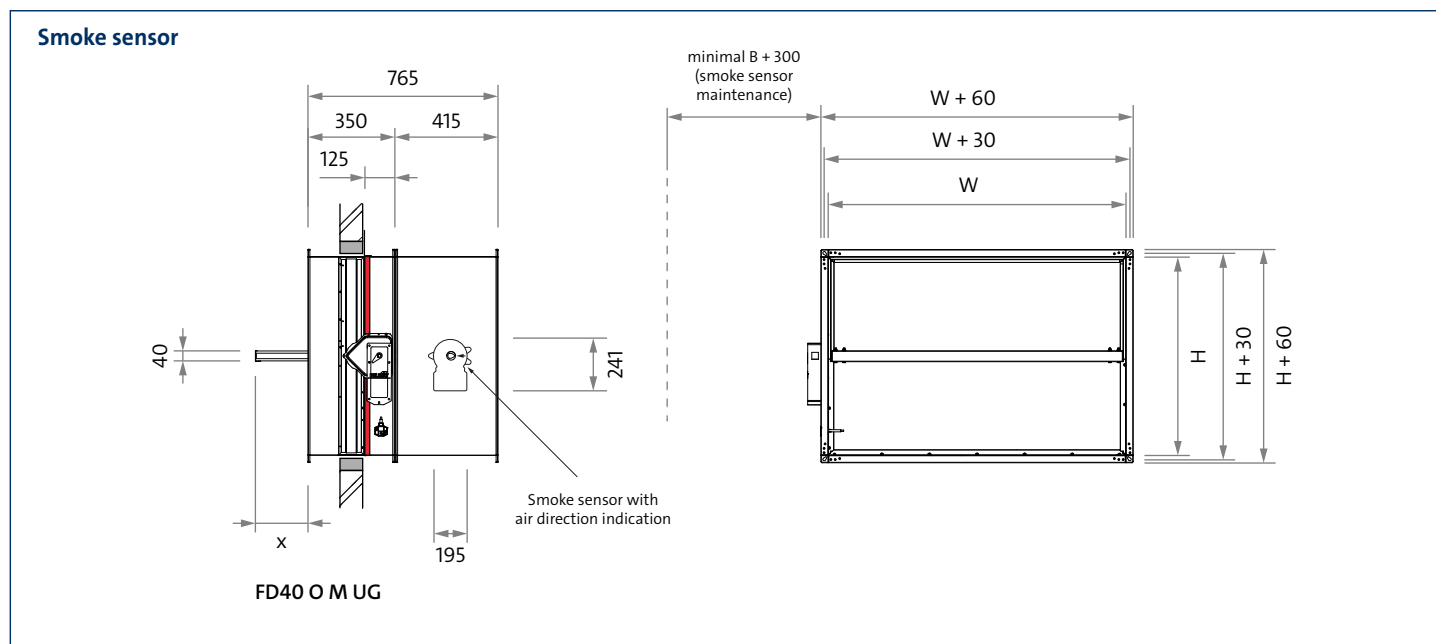
**Mounting frame 2**



FD40 MF2 M



## Dimensions

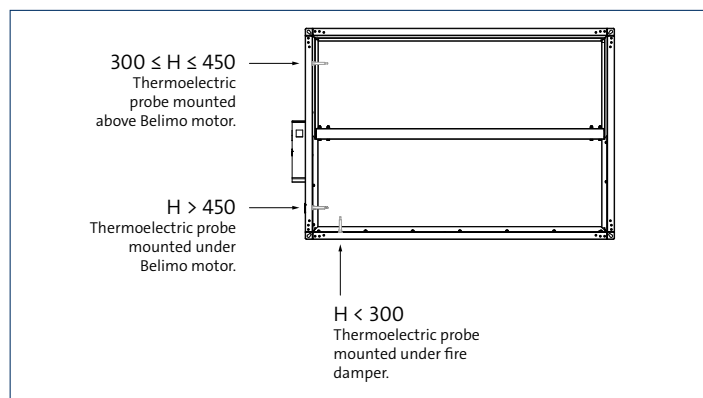


## Dimensions damper blade

height	X
600	125
650	150
700	175
750	200
800	225

X = protruding length of the damper blade.

## Positioning thermo-electric probes



## Comments

- The dimensions are in mm.
- Please visit our website to download the [manual](#), [declaration of performance \(DoP\)](#) and the [verification certificate of the declaration of performance](#).

## Fitting

The fire damper is fitted, in a closed position, in line with statutory requirements in accordance with the [manual](#). If you use the smoke sensor, check the flow direction prior to fitting, and position the unit in such a manner that the air flows through the smoke sensor first and then through the fire damper. After fitting, check that the airflow direction marked on the sensor matches the actual airflow. Straight flow of  $5 \times D_{\text{hydraulic}}$  before the smoke sensor in the dimensions of the connecting duct work is recommended.

A clearance of approximately 300 mm is recommended for good access to the operating mechanism/servomotor.