

Smoke Control Damper

SDR2-M



Description

Rectangular smoke control damper for smoke and heat evacuation systems for multi compartment. The blade and the body are made of calcium silicate board and the chemical design is class 4. In the event of a fire, the smoke and heat will be extracted throughout the smoke control system and this damper is designed to either open or close depending on the scenario to be able to extract the smoke and heat out of the building.

This damper is equipped with an actuator, either 24V or 230V and can be used as an automatic (AA) or manual activation (MA) damper. It is CE marked and certified according to EN12101-8, tested according to EN1366-10 and classified according to EN13501-4.

The damper is suitable for vertical and horizontal installation in multi compartment smoke duct evacuation systems according to EN1366-8 with smoke leakage class S at 1000Pa negative pressure.

Dimensions

Min. 180x180
Max. 1600x1000

Technical data for the actuators

See the technical manual for SDR2-M.

Classification (EN13501-4:2016) – SDR2-M

Vertical duct:

EI120 (h_{od} - i↔o)S 1000 C_{mod} HOT 400/30 MA multi
EI120 (h_{od} - i↔o)S 1000 C_{mod} HOT 400/30 AA multi

Horizontal duct:

EI120 (v_{ed} - i↔o)S 1000 C_{mod} HOT 400/30 MA multi
EI120 (v_{ed} - i↔o)S 1000 C_{mod} HOT 400/30 AA multi

Ceiling:

EI120 (h_{ow} - i↔o)S 1500 C_{mod} HOT 400/30 MA multi
EI120 (h_{ow} - i↔o)S 1500 C_{mod} HOT 400/30 AA multi
EI90 (h_{ow} - i↔o)S 1000 C_{mod} HOT 400/30 AA multi

Wall:

EI120 (v_{ew} - i↔o)S 1000 C_{mod} HOT 400/30 AA multi
EI90 (v_{ew} - i↔o)S 1500 C_{mod} HOT 400/30 AA multi
EI90 (v_{ew} - i↔o)S 1500 C_{mod} HOT 400/30 MA multi

* In practice dampers are not in the open position at the beginning of smoke threat.

Ordering example

	SDR2-M	200	200	230V	Yes	Yes
Product						
Width						
Height						
Actuator - 230V/24V						
BKN Module - Yes/No						
Flanges/grilles - Yes/No						
Example: SDR2-M-200-200-230V-BKN-Flange						