



E.01

Fire dampers

SC-S

- Fire resistant valves
- Circular
- EI60S
- With fuse 72°C
- Ø 100 - 200



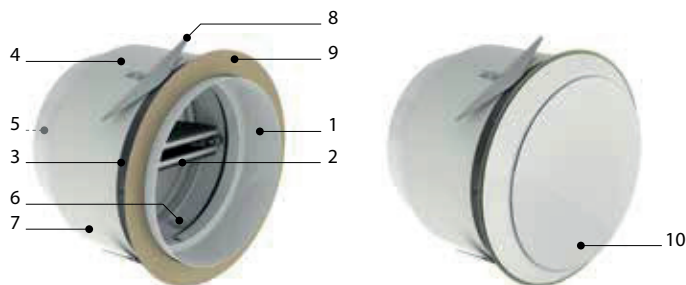
Fireproof butterfly dampers for fire resistant suspended ceiling type SC-S

Circular fire damper cartridge **SC-S** with a finishing valve and collar for installation in a fire resistant suspended ceiling. Connection to a ventilation system with flexible duct. For installation in fire-resistant EI30 and EI60 ceilings. The circular fire damper cartridges are equipped with a fusible link that holds the two parts of the blade in the open position. When the temperature in the duct rises above 72°C, the fusible link melts and releases the two blades. The damper is now closed and two blocking hooks keep the blades in their safety position, which prevents any smoke or flames from passing through.

Application

- Closing ventilation ducts in case of fire
- Fire resistant up to 1 hour
- For air from 15 to 45°C with an RH of 30-70%
- To be mounted in a fire resistant suspended ceiling

Construction



Composition

- Steel tunnel
- Fusible link 72°C
- Fiber silicate blades
- 1. SCV+ fire damper cartridge



Fire dampers

- 2. Two semi-circular blades
- 3. Intumescent sealing
- 4. Installation collar
- 5. Flexible duct connection
- 6. Blocking hooks
- 7. Product identification
- 8. Fixation spring
- 9. Finishing collar
- 10. Ventilation valve V

Mounting

- The installation must comply with the installation manual
- Verify if the blades can move freely
- Direction of the airflow: discretionary
- The fire damper cartridge must remain accessible for inspection and maintenance.
- Please observe safety distances with respect to other construction elements.

Certification

- Classified EI30 (h_o o<->i)S (-300Pa) in fire resistant suspended ceiling - plasterboard Type F (EN 520) 2 x 12.5 mm
- Classified EI30 (h_o o<->i)S (-300Pa) in fire resistant suspended ceiling - plasterboard Type F (EN 520) 2 x 15 mm
- Fire resistance according to EN 1366-2 and EN 1364-2

Order example

- **SC-S, 125**

Explanation

SC-S = Round butterfly fire damper with valve

125 = duct diameter



Selection graphs

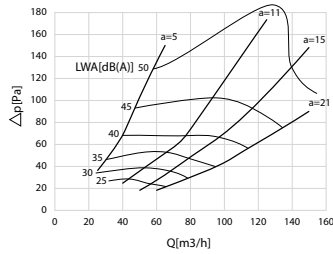
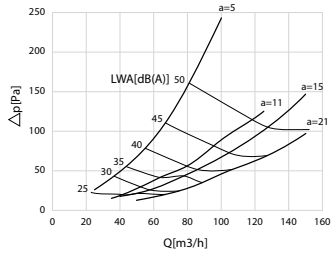


air exhaust

Ø 100



air supply

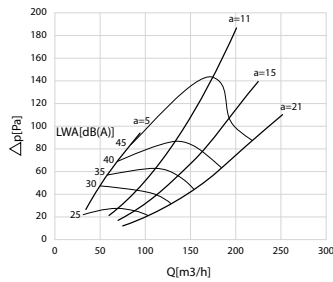
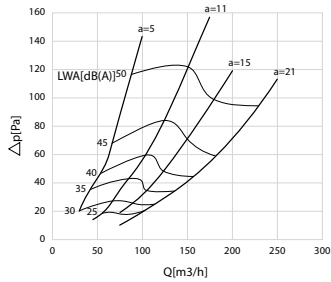


air exhaust

Ø 125



air supply

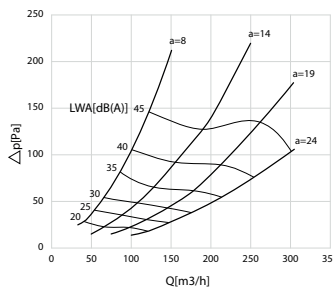
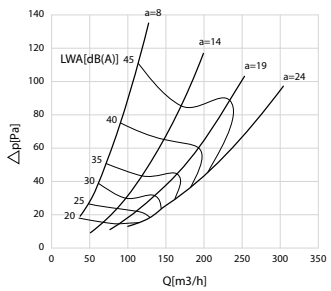


air exhaust

Ø 160



air supply

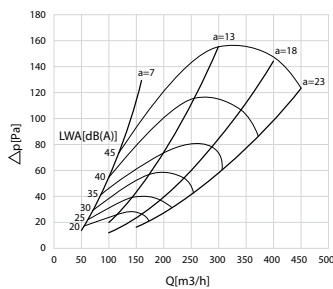
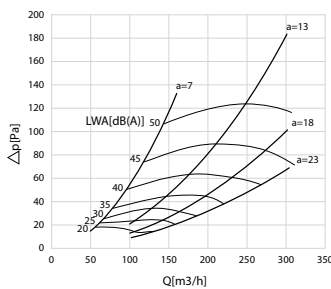


air exhaust

Ø 200



air supply





Symbols and specifications

- v = Air velocity in the duct in m/s
- Q = Air volume in m^3/h
- V_k = Effective velocity through the damper in m/s
- P_s = Static pressure in Pa
- $L_w(A)$ = Acoustic power in dB(A)

