

smoke dampers DKS-1

Smoke dampers DKS-1 are intended for opening ducts in shafts (channels) of flue gas exhaust ventilation systems of buildings and facilities intended for various purposes. Fire resistance limit of the damper is 1.5 hours (E90).

The damper keeps its efficiency notwithstanding space orientation of its installation plane. It is mounted in apertures of fencing structures, floors, suspended ceilings and in branches of air ducts, flue gas removal and air exhaust channels.

Solenoid-operated and electromechanical drives can be mounted in premises with ambient temperature from -30°C to $+50^{\circ}\text{C}$, not subjected to direct impact of atmospheric precipitations and moisture condensation on the damper.

The size of fire dampers is from 250x250 mm to the area of the damper area 0.48 m^2 . For dampers of larger size modular design of the damper is used.

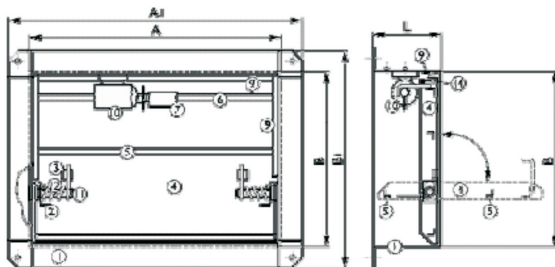
The environment shall be explosion-safe, free from aggressive gases in concentrations that destroy metals, varnish and paint coatings and electric insulation.

Recommended velocity of gas flow through the damper area shall not exceed $20\text{ m} \cdot \text{sec}^{-1}$.

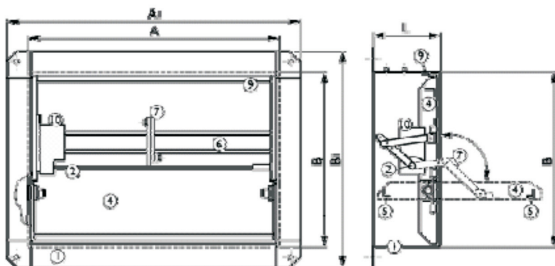


Dimensional data

Smoke dampers with solenoid-operated drive



Smoke dampers with electromechanical drive



| Type of damper | A1 | B1 | L |
|----------------|------|------|-----|
| DKS-1 (AxB) | A+90 | B+90 | 165 |