AUTOMATIC SMOKE CURTAINS
GSF KDR

Smoke curtains **GSF KDS KTISISSOL** are intended to be used in buildings as barriers dividing space into smoke compartments. Their primary functions include:

- creating smoke compartments by containing and limiting the movement of smoke,
- redirecting the movement of smoke,
- preventing and delaying any influx of smoke into other areas or into air gaps.

Due to their design, smoke curtains can be combined modularly, allow to create security measures of unlimited dimensions. The curtains are suitable for a wide variety of applications in both public and commercial buildings.

TYPES OF SMOKE CURTAINS GSF KTISISSOL

- **Classified by operating principle:**

GSF KDS Smoke curtains - fixed
GSF KDR Smoke curtains - mobile

- **Classified by fire resistance class**

D_{600}181 - Smoke curtain in temperature 600°C shows resistance up to 181 minutes
DH60 - smoke curtain according to the standard heating curve EN 1363-1 shows resistance up to 60 minutes
DH133 - smoke curtain according to the standard heating curve EN 1363-1 shows resistance up to 133 minutes

GSF KDR FIXED SMOKE CURTAINS CONSTRUCTION

Automatic smoke curtain consists of: curtain coat – made of fire-resistant fabric, shaft housing, ballst bar, tubular motor.

Limites the spread of smoke
Creation of smoke tank
Smoke direction

ADDITIONAL INFORMATIONS

The automatic smoke curtain coat is wound on the shaft and kept in the open position by electric motor. In the event of a fire hazard, the curtain coat is relased. Curtain contro lis carried out by control center.

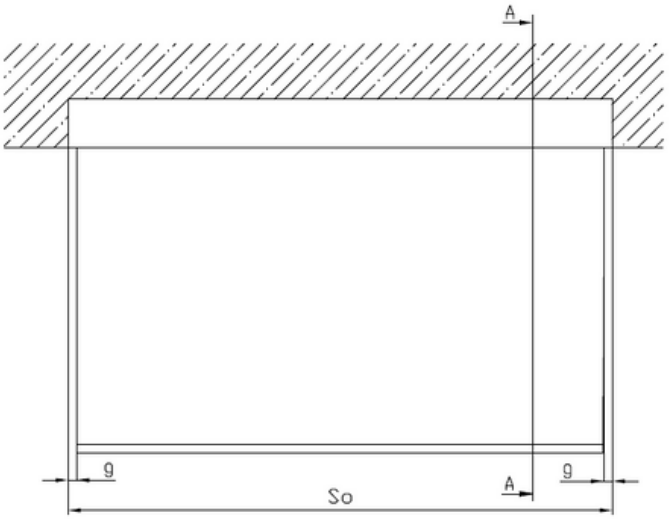
Smoke curtains **GSF KDS KTISISSOL** are made in accordance with the harmonized standard: **EN 12101-1:2005 + A1:2006** Smoke and heat spreading system, Part 1: Technical requirements for smoke curtains.

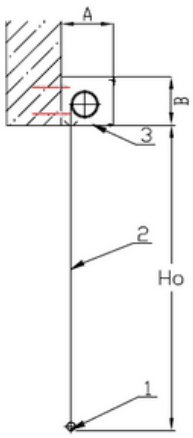
CONSTRUCTION CONDITIONS

GSF KDR D_{600}181, GSF KDR DH60, GSF KDR DH133

The installation conditions specify the space required for the smoke curtains installation. All unrecognized dimensions in terms of construction conditions should be agreed individually.

WALL MOUNTING



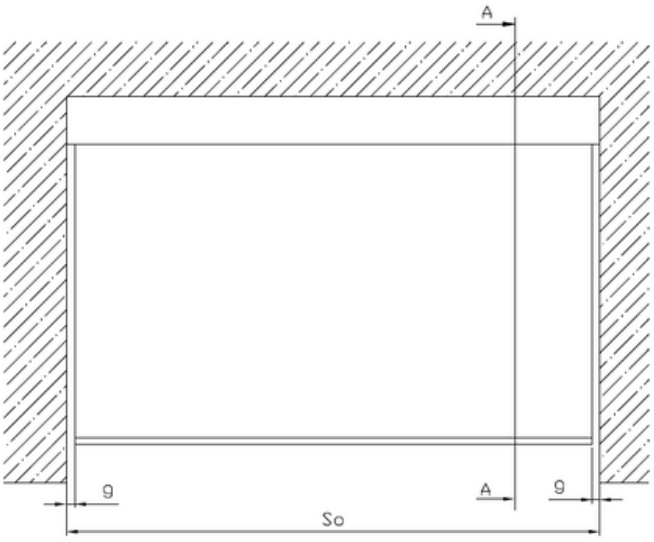


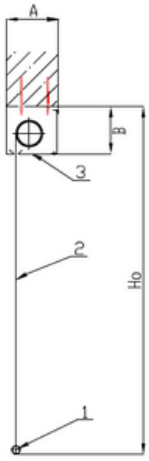
Class	Maximum module width [mm]	Maximum height [mm]	A [mm]	B [mm]
D_{600}181	6000	7200	165	165
DH60	6000	4950	165	165
DH133	5250	10350	200	200

g = 20 mm for Ho ≤ 2000 mm
g = 40 mm for Ho > 2000 mm ≤ 6000 mm
g = 60 mm for Ho > 6000 mm

1. Ballast
2. Coat
3. Winding shaft housing

CEILING MOUNTING





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Warning:
The surface for mounting the smoke curtains must be vertical and even (smooth), tolerance +/-1mm/m.
Otherwise, the customer is obliged to level the surface before installation.

The manufacturer has the right to change the dimensions of the development during the execution of the order.
The manufacturer reserves the form of legalization of the product in case of order.

All additional information to be agreed with the KTISISSOL Technical Department.