

OPERATION AND MAINTENANCE DOCUMENTATION

GSF KDR / GSF KDS Smoke Curtain



Spis treści

1.	Intended use of GSF KDR / KDS smoke curtains.....	3
2.	Technical description of the GSF KDR rolling smoke curtains	3
3.	Technical description of the GSF KDS smoke curtains	5
4.	Product identification	6
5.	Check-up and maintenance	6
6.	Warranty	7
7.	Requirements regarding proper installation	9
8.	Documentation for the user	9
9.	List of warranty services.....	10
10.	Periodic checkups and repairs card	11
11.	Notes	12

1. Intended use of GSF KDR / KDS smoke curtains

GSF KDR/KDS antismoke curtains are designed to be applied on the premises with isolated smoking areas.

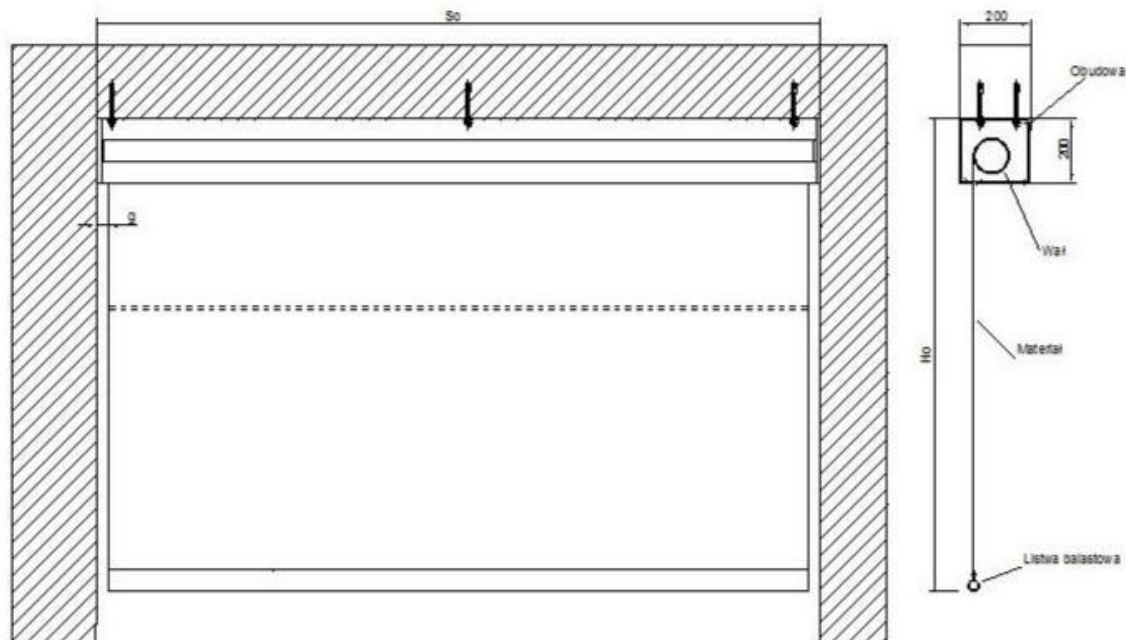
Typical smoke curtain functions:

- Forming smoke compartments by capturing smoke and limiting its movement
- Directing the smoke along a pre-determined route
- Preventing or delaying the influx of smoke into other areas or air gaps.

Both automatic smoke curtains (GSF KDR) and fixed smoke curtains (GSF KDS) fulfill the same function, but in the case of GSF KDR there is a possibility of hiding them when not used.

2. Technical description of the GSF KDR rolling smoke curtains

The curtain consists of the rolled cloth made of antismoke fabric. The individual stripes of fabric are stitched together using special, fireproof thread. The cloth is fixed to the roller using the angle plate made of galvanized steel sheet. The bottom edge of the cloth ends with a weight bar. The roller is made of the seamed tube 88,9 mm in diameter. On one end it is finished with a steel cap, which is mounted to the console using a steel support. On the other end a tubular motor is fixed to the console with a clip. The curtain is controlled from a control station. The elements of the roller's casing are made of the appropriately shaped galvanized steel sheet and screwed together with galvanized steel M6 blind rivet nuts and M6x16 button head screws. The cloth of the GSF KDR smoke curtain is kept in the open position and is spooled onto the roller. In case of danger it is brought down into the operational position, thus isolating a given area.

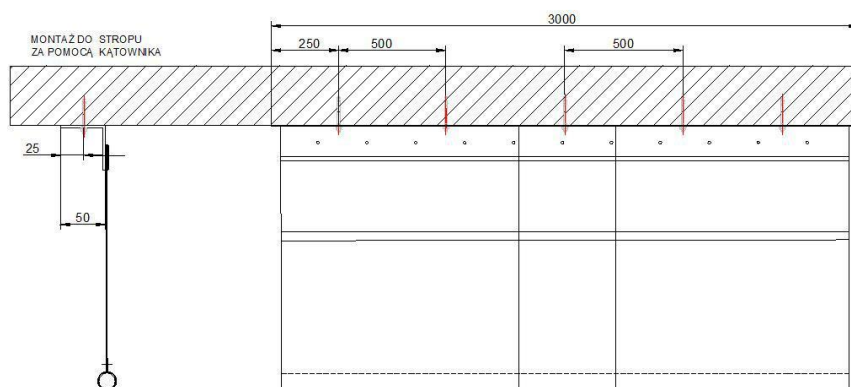


Movable GSF KDR smoke curtains consist of:

- Smoke curtain cloth
- Roller casing
- Weight bar
- Shutter motor

3. Technical description of the GSF KDS fixed smoke curtains

The Smoke curtain is made of antismoke fabric. The upper edge of the smoke curtain is fixed to the galvanized steel angle bar (50x50x2) with M6 blind rivet mandrels. The bottom edge of the cloth has a pocket which holds the weight bar.



GSF KDS fixed smoke curtains consist of:

- Smoke curtain cloth
- Mounting angle bar (corridor-mounted)
- Flat bar (wall-mounted)
- Weight bar

4. Product identification

The product is marked in accordance with the EUROPEAN PARLIAMENT AND COUNCIL REGULATION (UE) NO. 305/2011 of March 9, 2011.

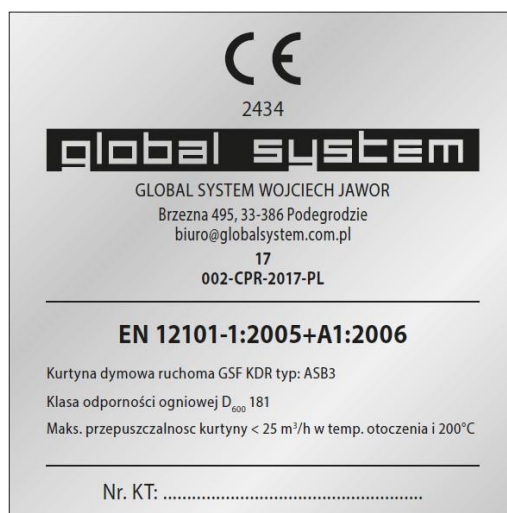


Fig. 4.1 Smoke curtain marking

5. Checkup and maintenance

In order to ensure the proper operation of the smoke curtains it is necessary to conduct periodic checkups and maintenance, every 6 months at minimum.

LEGAL BASIS:

In accordance with the Regulation of the Minister of Interior and Administration of June 07, 2010 regarding fire protection in buildings, structures and areas (Dz. U. 2010 no 109 item 719) chapter 1 § 2 item 9 a fire gate is a fire-fighting device. Pursuant to the provisions of the quoted regulation:

§ 3.2 states that fire-fighting devices should be „subject to technical checkups and maintenance operations in accordance to the rules and in the manner described in Polish Standards pertaining to fire-fighting devices and extinguishers, contained in operation and maintenance documentations and instruction manuals provided by the manufacturers.”

§ 3.3 of the Act states that: „technical checkups should be performed at periods established by the manufacturer, but at least once a year.”

NOTE

Checkups must be performed by Global System or other company holding an up to date Authorized Installation Certificate issued by Global Sytem.

6. Warranty/surety

6.1. General warranty conditions

Global System issues a 12-month warranty/surety for all devices,

Warranty/surety pertains to Global System products purchased and installed within the territory of Poland,

Warranty/surety includes delivery and installation (if purchase includes installation) of Global System products and applies from the moment of signing the technical acceptance report or the "goods dispatched" note confirming the issue of goods to the customer, but for no longer than 14 months from the date of issue of the final sale VAT invoice.

Warranty/surety entitles the customer to have product defects removed free of charge, provided they arise within the warranty period and are caused by structural, manufacture or installation faults. The servicing operations are to be done within 21 work days, counting from the day the warranty claim is accepted.

Warranty claim should be lodged immediately (no later than within 14 days) after discovering the defect. Apparent defects must be reported before the product is installed, otherwise claims will not be considered. Use of defective products is forbidden.

6.2. Conditions for receiving warranty/surety services

The basis for lodging warranty/surety claims are:

Properly completed product warranty card,

Conducting paid warranty inspection at least every 6 months from the day of signing the technical acceptance report for the product,

Sending a written request for a warranty inspection by the Buyer/User to the email address: serwis@globalsystem.com.pl

6.3. Conditions for extending the warranty service

The warranty may be extended upon the request of the Buyer/User. Terms and conditions for the extension will be determined in a separate servicing agreement.

The warranty is extended by the period from the date the fault is reported to the date the warranty repair is completed. The rectification of the faults can only be made by the service centre authorized by Global System.

6.4. Loss of warranty/surety

Global System Company shall be exempted from providing warranty/surety and from other obligations if:

The mechanical damage is a result of improper use,

The products are not used in accordance with the user's/safety manual,

Damage resulting from voltage surges and voltage drops in the electrical grid, improper wiring system or type of power supply.

The user implemented structural changes on their own,

Non-original spare parts were used without the written consent of Global System,

Repairs were made by persons not authorized by Global System,

Damage was the result of external factors such as: corrosion and discoloration (due to working in chemically aggressive environment), anomalous weather conditions, natural disasters and other random events outside Global System's control,

Defects or damage resulted from the faulty installation (installation without the installation service authorized by Global System).

6.5 Other

If servicing requires work at the height above 1,9 m from the ground, the claimant is obligated to provide the servicing team with a safe access to the Device.

Parts that sustain natural wear (consumables) are not included in the warranty.

Products used in a highly hostile environment (for instance less than 500 m from the shoreline, etc.) are excluded from the anti-perforation warranty.

Travelling expenses, as well as costs of repair of defects or damages not covered by the warranty are borne by the claimant.

Global System is not liable for the damages resulting from the use of the faulty or damaged product.

If the warranty claim proves to be unjustified, any and all costs resulting from it (travel expenses, costs of inspecting and diagnosing the defect, etc.) will, in their full amount, according to Global System price-list, be covered by the Claimant.

7. Requirements regarding proper installation

Applicable Occupational Health and Safety regulations must be obeyed, in particular those regarding safety when working with electrical devices and at heights,

Installation should be performed only by the qualified employees who are authorized by Global System.

Installation should be performed by at least two people

After installation the proper operation of the product should be checked at least 3 times. The place of installation should be cleaned after the work is finished

Installation report should be sent after the installation is completed.

8. Documentation for the user

The customer receives following documents:

Operation and Maintenance Documentation
Declaration of Performance
Installation Manual
Instruction Manual
Warranty card

9. List of warranty services.

In order to ensure the proper operation of the smoke curtains it is necessary to conduct periodic checkups and maintenance, every 6 months at minimum.

A periodic checkup should entail the following actions:

Description of performed actions:		NOK	OK
1	Check the functioning		
2	Check the apertures when unrolled		
3	Check and, if necessary, correct the mounting of the curtain (guide bars, consoles, roller, casing elements) (mounting of the angle bar, mounting of the cloth)		
5	Check the coating of paint		
6	Check the marking		
8	After completing maintenance/repair: release the gate at least 3 times		
9	Draw up a technical checkup and maintenance operations report and send it to the manufacturer		

All necessary adjustments should be made as part of the servicing. If the report notes damage to subsystems, the manufacturer must be immediately informed.



10. Periodic checkups and repairs card

Objekt :

.....

Checkups:

Date of inspection / repair	Date of next inspection/ repair	Signature of the service technician	Notes

11. Notes

NO.	Note