

# HAUG Ionization - for the elimination of electrostatic charges

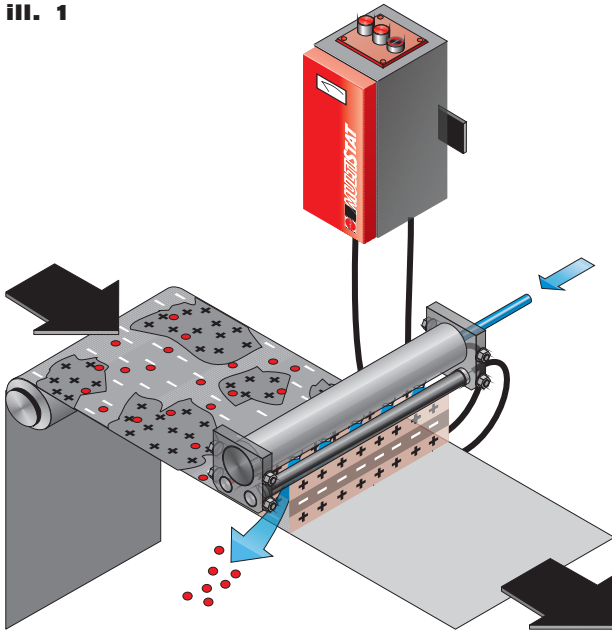


## Duo air gate

The duo air gate LS GK, together with its simultaneous dusting of non-conducting surfaces, is a highly developed and efficient aid in the removal of electrostatic charges.

This device reduces negative impacts on production so that quality losses, as well as high numbers of rejects, can be almost completely eliminated. This reduces production costs considerably. The duo air gate is especially suitable for high operating speed (> 150 m/min): thanks to the parallel emission of positive and negative ions, the charge loss is minimized during the neutralization process.

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## Combination with ionizing bars

The duo air gate LS GK unit consists of a basic air gate and two ionizing bars from the HAUG product range.

The following ionizing bars can be combined with the air gate:

- Ionizing bar EI RN
- Ionizing bar EI VS
- Ionizing bar EI Ex T

The HAUG ionizing bar EI Ex T is used in potentially explosive areas.

## Applications

Air gates with integrated ionization for dust removal are mainly used in the following fields:

- Painting / spraying
- Automotive industry
- Glass industry
- Furniture industry

Production processes in the surface treatment of paper, leather and plastic webs, as well as in laminating and coating equipment, can be optimized by using air gates.

## Cleaning and maintenance

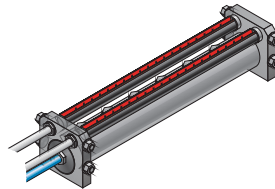
Contamination of pressure tube and precision nozzles reduces the performance for HAUG air gates. Regular and careful cleaning with the special cleaning kit RS 1 and the special cleaning agent SRM 1 assures long service life and constant efficiency.



LS GK

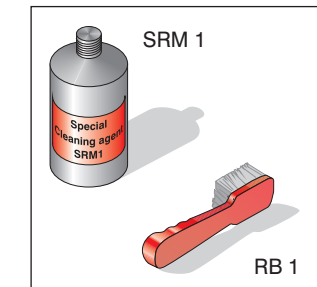
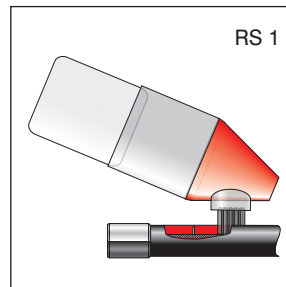
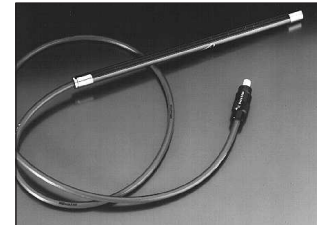
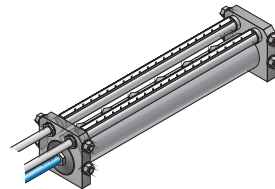
## Duo air gate + EI RN

The circular construction of the EI RN ionizing bar permits exact axial adjustment in the direction of travel of the material. By using this powerful and robust device it is possible to remove surface charges reliably and effectively, even at high operating speeds.



## Duo air gate + EI VS

Compared to the standard version, the EI VS ionizing bar offers a considerably increased efficiency. Just as with the EI RN, the special features of the EI VS are the reliable and removable contacting system, the special stainless-steel electrodes and the convenience of being safe to touch.



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Air Line - Duo air gate LS GK





## LS GK

### Technical data duo air gate

Types: **LS GK** 200 – 1500 mm Order-No.: 06.0520.000  
**LS GK** 1510 – 3000 mm Order-No.: 06.0520.001

Dimensions: 80 x 80 mm

Lengths: 200 – 3000 mm  
 Special lengths on request.  
 Basic unit for **two** ionizing bars, round

Nozzles: Precision flat jet nozzle,  $\text{Ø}$  0.4 mm,  
 air discharge 60°, nozzle spacing 50 mm,  
 single row.  
 Please order ionizing bar separately!

Operating temperature: +5 °C to +45 °C

Storage/transport temperature: -15 °C to +60 °C

Smallest bending radius (cable): R 50

Subject to technical changes!

### Suitable power packs

Connectable lengths (ionizing unit incl. high-voltage cable):

EN SL	max. 5 m
EN SL LC / EN SL RLC	max. 10 m
EN 8 / EN 8 LC	max. 18 m
Multistat	max. 18 m
EN 70 / EN 70 LC	max. 2 x 18 m

