

# HAUG Ionization - for the elimination of electrostatic charges



## HAUG air gates

Electrostatic charges caused by friction and subsequent separating processes prevent efficient production processing and will always result in additional costs. This is where the powerful HAUG air gates are particularly effective. Whatever the process, they remove the dust particles and neutralize the charges.

### Mini air gate LS PLE

The mini unit with max. effect: The midget among the HAUG air gates, it nevertheless offers top effectiveness combined with the smallest dimensions. Two rigidly installed ionizing bars with circular jet nozzles guarantee the best performance. The handy unit is particularly suitable for use with smaller machines.



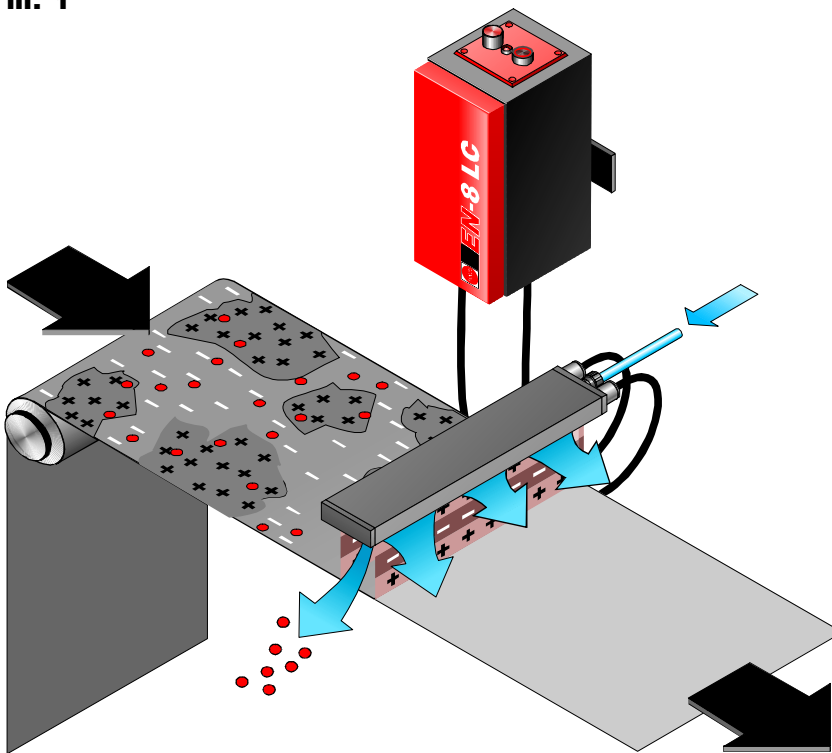
LS PLE

### HAUG ionizing systems

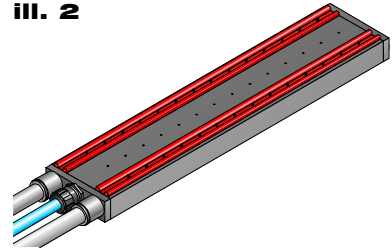
are basically made up from the following components:

- Mains power supply unit which, through a high-voltage transformer, provides the actual ionizer with a 7–8 kV voltage.
- The various ionizers are connected to this mains power supply unit.

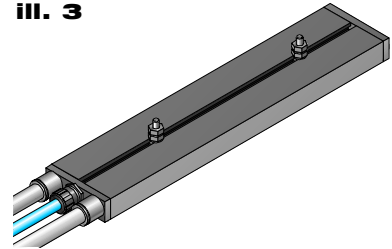
iii. 1



iii. 2



iii. 3



## 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.

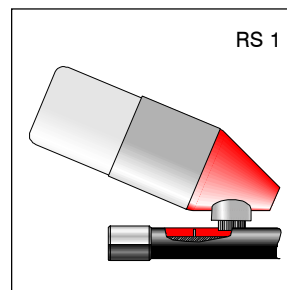
## Accessories

Original HAUG parts provide a safe and secure basis for problem-free production processes and long life of the "Mini-plant".

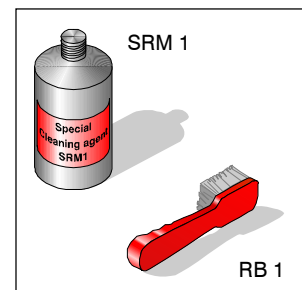
- Air hose
- Compact filter control valve with pressure gauge

## Cleaning and maintenance

We recommend regular cleaning of the pressure tube and precision nozzles using the special cleaning kit **RS 1** and the HAUG special cleaning agent **SRM 1**. Removal of the contamination guarantees constantly effective operation and an extremely long life of the installation.



RS 1



SRM 1

RB 1

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Air Line - Mini air gate LS PLE





LS PLE

### Technical data mini air gate

Types: **LS PLE** 80 - 290 mm Order-No.: 04.7880.000  
**LS PLE** 300 - 490 mm Order-No.: 04.7881.000

Dimensions: 50 x 17 mm (W x H)

Standard lengths: 140 mm / 180 mm / 240 mm,  
max. 500 mm  
Special lengths on request

Nozzles: Circular jet nozzles, bore  $\varnothing$  0,8 mm,  
nozzle spacing 15 mm

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!

### Accessories

Air hose: Order-No.: X-6607

Compact filter control valve: with pressure gauge  
Order-No.: 11.7224.000

### Suitable power packs

Connectable lengths (ionizer 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

