

HAUG Ionization - for the elimination of electrostatic charges



Statik-Air 08 - System Dr. Escherich

Statik-Air 08 is used for contact-free cleaning with simultaneous extraction of visible dust and smaller particles.

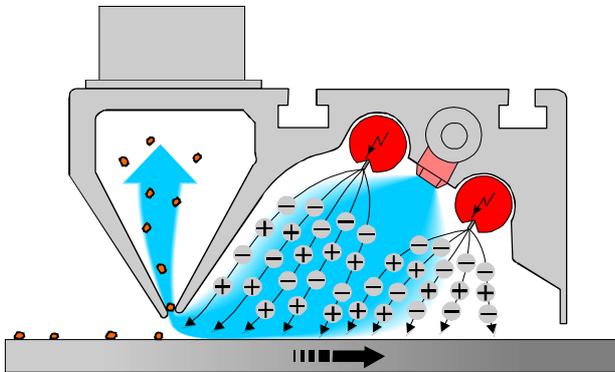
Function

Cleaning and elimination of electrostatic charges from material webs in the same process by using ionized compressed air (ill.2). The integrated extractor ensures an optimum and residue-free degree of surface cleaning.

The following ionizing bars can be combined with the Statik-Air 08 housing:

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

ill.2



Compressed air

Compressed air of a quality suitable for spraying applications must be available, i.e. it must be free of oil and water. The upstream installation of a service unit with integrated oil and water separator is recommended.

Web speeds

The maximum web speed of the standard version is approx. 80 m/min. Higher speeds are available on request.

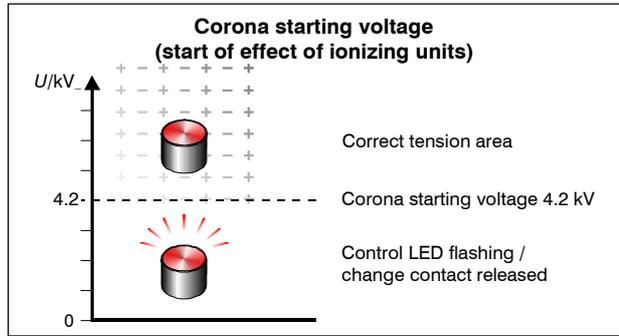
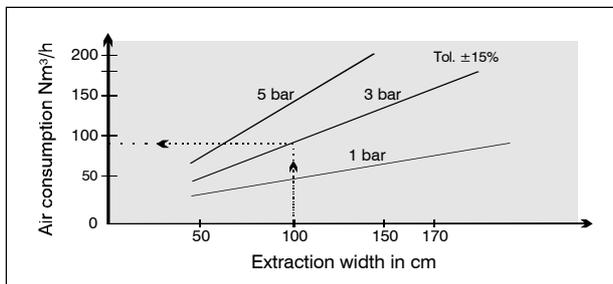
Air consumption diagram

Air consumption in $N\ m^3/h$ as a function of extraction width and operating pressure (ill.3)

Typical applications

Plastics, furniture, paper, print, film, foil, automotive, electrical and other industries.

ill.3



ill.1

Pulsed operation

The application of Statik-Air systems in pulsed operation can be recommended for media transported with intermediate distances/gaps.

Advantage: reduced costs (e.g. for compressed air). Pulsed operation can be controlled by external input to the switchgear, e.g. using photoelectric sensors, proximity switches or other potential-free contacts.

Continuous operation

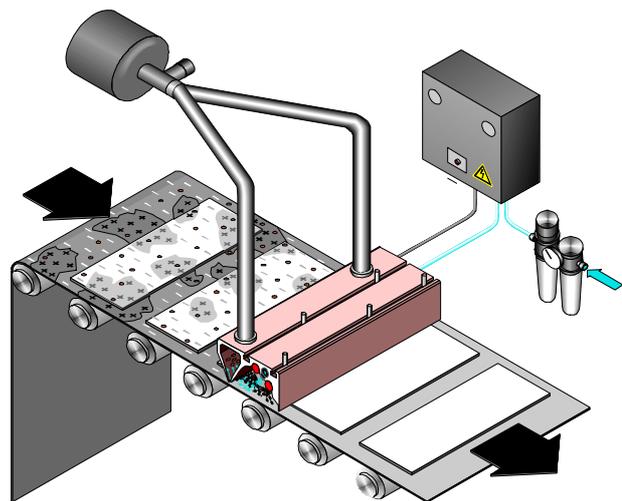
The application of Statik-Air systems in continuous operation can be recommended if the medium to be cleaned passes through continuously.

Switchgear

The switchgear is equipped with 3 functional modules:

- Power supply with power circuit breaker, motor circuit breaker for extractor fan, ON/OFF switch and control lamps. Should it be necessary to connect two extractor fans to one switchgear, the relevant versions can also be supplied.
- Solenoid valve for compressed air control with time-delay switch for pulsed operation.
- High-voltage power pack with 4 high-voltage terminals. The watchdog integrated in the secondary area (ill.1) signals a drop below the corona inception voltage.

ill.4



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SA 08

Technical data Statik-Air 08

| | | |
|----------------------------------|--|------------------------|
| Type: | SA 08 | Order-No.: 04.0100.000 |
| Dimensions: | 185 x 85 mm | |
| Lengths: | 70 to 2000 mm (larger lengths on request) | |
| Weight: | approx. 17 kg/m | |
| Cable outgoing: | available right or left | |
| 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

| | | |
|----------------------|-------------|------------------------|
| Compressed-air hose | Ø 12 x 9 mm | Order-No.: X-6616 |
| Radial fan | | Order-No.: X-1516 |
| Filter control valve | | Order-No.: 11.7210.001 |
| Switchgear ESG | | see below |

ESG

Technical data switchgear ESG

| | | |
|-------------------|--|-------------------|
| Type: | ESG 010-D/LC | Order-No.: X-2136 |
| Supply voltage: | 3 x 400 V _~ / 50 Hz | |
| Control voltage: | 230 V _~ / 50 Hz | |
| Dimensions: | 380 x 360 x 250 mm (W x H x D) | |
| Function modules: | High-voltage module with 4 HV-terminals for supply of ionizing bars. Watchdog function LED displayed. Solenoid valve module with time-delay for pulsed operation of blown air. Power supply module with power circuit breaker, motor circuit breaker, ON/OFF switch, control and signal lamps. | |
| Weight: | approx. 14 kg | |

Subject to technical changes!

