

HAUG Ionization - for the elimination of electrostatic charges



Statik-Air 09 - System Dr. Escherich

These units are used for removing dust from surfaces. The functional modules consist of ionization, air jet and extraction. These modules are coordinated effectively within a closed system.

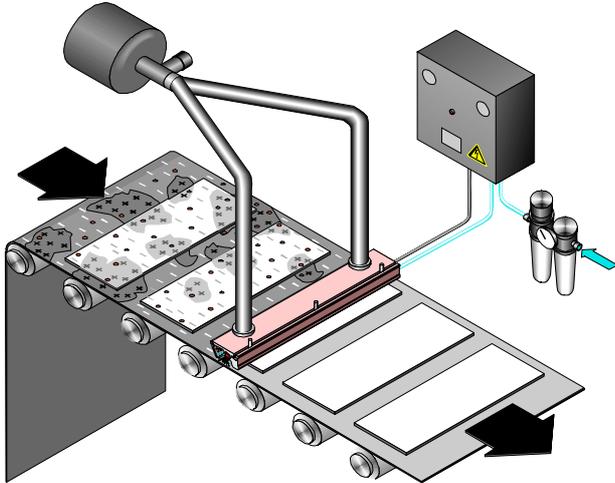
Function

The Statik-Air 09 web dusting unit is connected to a high-voltage power pack. The air jet and extraction units can either be connected to existing utilities or to specially designed accessories.

The following ionizing bar can be combined with the Statik-Air 09 housing:

- Ionizing bar EI PRX

iii.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.

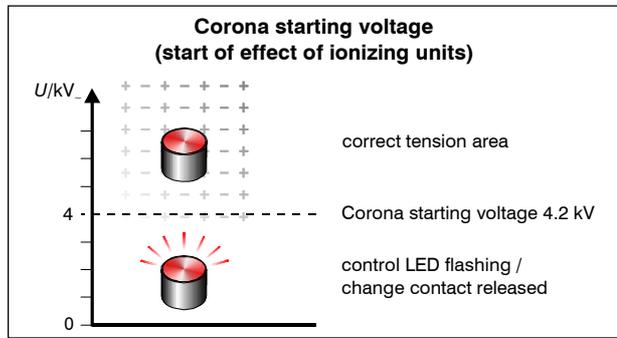
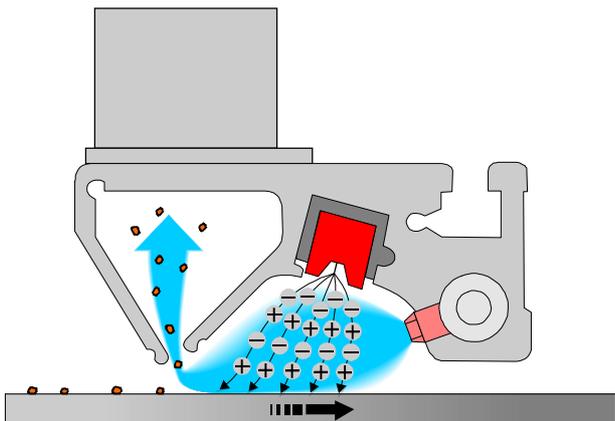
Web speeds

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

Typical applications

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

iii.3



iii.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

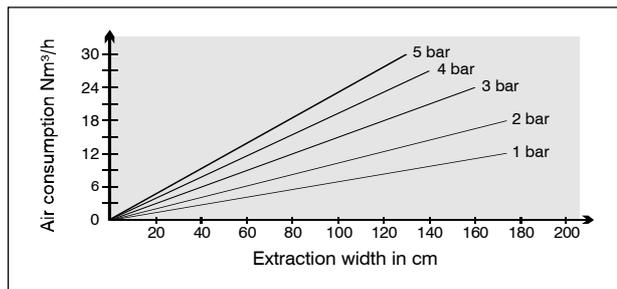
The application of Statik-Air systems in continuous operation can be recommended if the medium to be cleaned passes through continuously.

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.

iii.4



Air consumption diagram

Air consumption in N m³/h as a function of extraction width and operating pressure (ill.4)

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SA 09

Technical data Statik-Air 09

Type:	SA 09	Order-No.: 04.0110.000
Dimensions:	80 x 35 mm	
Lengths:	45 to 1200 mm (larger lengths on request)	
Weight:	approx. 4 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!

Zubehör

Compressed-air hose	Ø 12 x 9 mm	Order-No.: X-6616
Radial fan		Order-No.: X1516
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!

