

HAUG Ionization - for the application of electrostatic charges



HAUG charging systems

Charging systems are designed to apply electrostatic charges without physical contact. These systems can be used for any application where different materials are to be pinned together electrostatically. At least one of these materials must be non-conductive. The electrostatic pinning serves to enhance subsequent processes, such as film/foil overlapping in packaging machines.

Applications

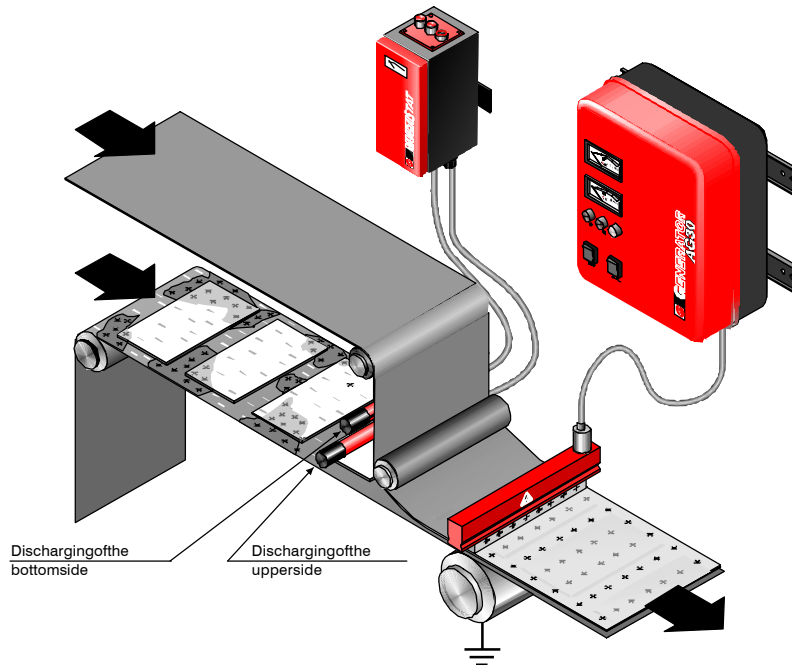
HAUG charging systems can be used for

- the pinning and positioning of film/foil, paper, and cardboard on different materials such as sheet steel, glass panes, wood sheets, and similar;
- the pinning of film/foil in packaging machines or in film/foil sealing machines;
- the pinning of film/foil in reversing winding systems, the pinning of film/foil reels in order to prevent the telescope effect, and the pinning of film/foil onto the cardboard tube, without any adhesive, at the start of film winding.



AG 30

iii. 1



Charging generator AG 30

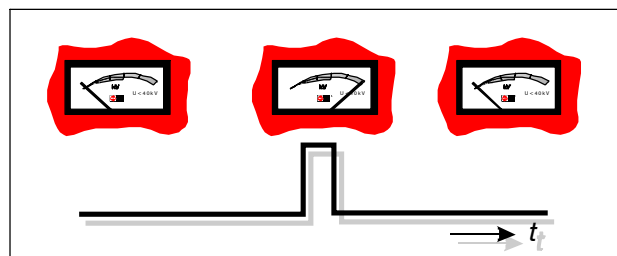
AG 30 charging generator

The AG 30 charging generator is a high-voltage unit that is used together with HAUG charging electrodes and a suitable counter-electrode. The charging electrode must be mounted at 10 to 30 mm above the material to be charged, exactly opposite the counter-electrode. When an earthed counter-electrode is used, it must be in contact with the material to be charged. In order to obtain a constant and reliable charging, we strongly recommend that the materials, which are to be pinned together, be neutralized by means of an appropriate HAUG ionizing system before the charging process (iii. 1).

Special features and advantages

The AG 30 charging generator generates an adjustable high voltage up to 40 kV_{DC}. The device is available with either positive or negative polarity. Integrated measuring instruments show the voltage and the actual flowing current. High voltage and current threshold can be set with two different potentiometers. In the event that the flowing current exceeds the preset limit, an error signal is received and the high voltage is switched off. The AG 30 charging generator can be set up for intermittent service by means of an external control (iii. 2). An external signalling unit can be activated through the integrated signal connection.

iii. 2



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Charge Line - Charging generator AG 30





Accessories

Signalling cable K1, shielded

5 m, incl. round plug	Order-No.: 06.8941.000
10 m, incl. round plug	Order-No.: 06.8941.001
20 m, incl. round plug	Order-No.: 06.8941.002

Round plug Order-No.: X-0616

Angled plug Order-No.: X-5718

Please refer to the special leaflet for the choice of appropriate charging electrodes (standard).

Technical data AG 30

Types:	AG 30 (230 V), positive	Order-No.: 09.7700.000
	AG 30 (115 V), positive	Order-No.: 09.7701.000
	AG 30 (230 V), negative	Order-No.: 09.7702.000
	AG 30 (115 V), negative with analog display	Order-No.: 09.7703.000
	AG 30 (230 V), positive	Order-No.: 09.7800.000
	AG 30 (115 V), positive	Order-No.: 09.7801.000
	AG 30 (230 V), negative	Order-No.: 09.8702.000
	AG 30 (115 V), negative with analog/digital display	Order-No.: 09.8703.000

Protection type: IP 54

Protection class: I

Supply voltage: 115 V_~ / 230 V_~ (50 – 60Hz)

Power consumption: approx. 60VA

Rated output voltage: approx. 40kV_~

Output short-circuit current: $I_k \leq 4.5 \text{ mA}$

HV-terminals: 2

Pulse frequency: 1Hz, via floating normally open contact

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

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

Weight: 13kg

Mains cable: 2.6 m (3 x 0.75mm²), fixed to the device

Subject to technical changes!

Charging generator AG 30

