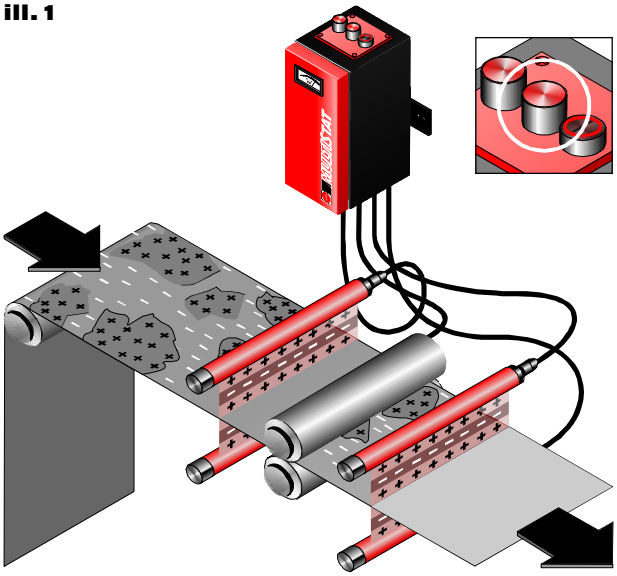
HAUG Ionization – for the elimination of electrostatic charges

Multistat power pack

The **Multistat** power pack in combination with HAUG ionizing units is intended for the removal of electrostatic charges. The mains voltage is transformed by the **Multistat** to an output voltage of 7–8 kV~ for the operation of HAUG ionizing units.

ill. 1



Multistat

Performance monitoring

For an ionization system to work effectively, a voltage of at least 4.2 kV~ (corona inception voltage) is required.

By monitoring the electronic control of the output voltage, the high tension is continuously monitored; any drop below the corona inception voltage is signaled as malfunction. This fault signal may be linked with e.g. the machine control system or the production monitoring system using the socket connection integrated into the housing and a signaling cable.

photo 2

photo 3

Particular caracteristics and advantages

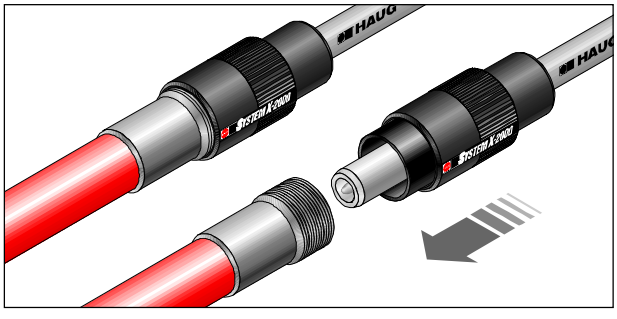
- Self-balancing high tension; no adjustments or settings on the **Multistat** are required.
- Indication of the output high tension by means of an analogue indicating instrument.
- Fault indication in case of insufficient output voltage by means of an optical signal (light-emitting diode - LED) and a floating change-over contact.
- Fault indication in case of insufficient mains voltage by means of a floating change-over contact.
- The floating change-over contacts allow both a status check and an error check to be performed.
- The **Multistat** allows the integration of the fault signals into a quality assurance system.
- The high-tension plug-and-socket connector system X-2000 (ill.3) ensures a secure connection. The assembly of the connector is straightforward and does not require any tools.
- Four high-voltage terminals allow up four HAUG ionization units to be connected.

Possible configurations

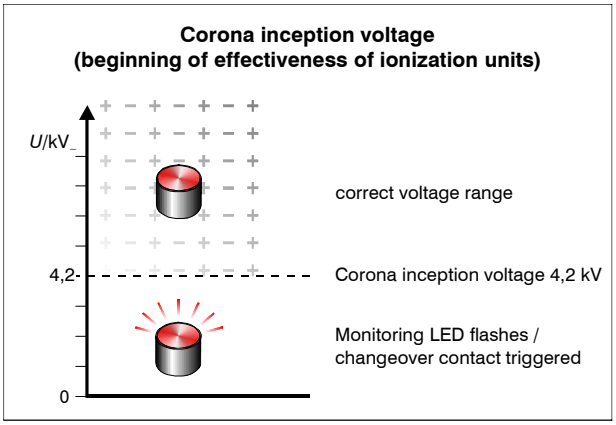
The **Multistat** can be used to supply all HAUG ionizing units which are equipped with the coaxial plug-and-socket connection system X-2000, such as:

- Ionizing bars
- Annular electrodes
- Ring ionizers
- Air gates

ill.3



ill. 1



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Static Line - Power pack Multistat

HAUG®

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

Multistat

Technical data Multistat

Types:	**Multistat**	(115 V)	Order-No.: 01.7759.000
	Multistat	(230 V)	Order-No.: 01.7760.000
	Multistat	(115 V)	Order-No.: 01.7759.040
	Multistat	(230 V)	Order-No.: 01.7760.040

CUL approved (UL and CSA conformal), test no.: E 189 151

Protection type:	IP 54
Protection class:	I
Supply voltage:	115 $V_{\sim}$ / 230 $V_{\sim}$; (50 – 60 Hz)
Power input:	approx. 40 VA
Nominal output voltage:	approx. 7 – 8 kV_{AC}
Short-circuit output current:	$I_k \leq 5$ mA
Capacity of signalling contacts:	24 V_{AC} / 35 V_{DC}, max. 50 mA
HV-terminals:	4
Connectable length:	max. 18 m (ionizing unit incl. HV-cable)
Operating temperature:	+5 °C to +45 °C
Storage/transport temperature:	-15 °C to +60 °C
Weight:	5 kg
Mains cable:	2.6 m, fixed to the device

Subject to technical changes!