

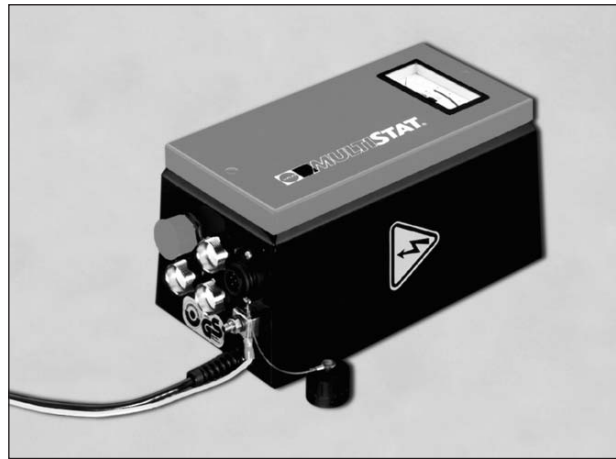
HAUG Ionization - for the elimination of electrostatic charges



Power pack Multistat

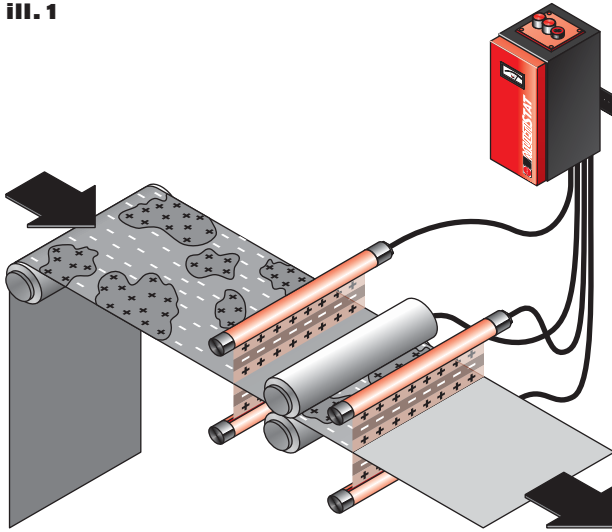
The **Multistat** power pack supplies voltage to ionizers. The mains voltage is transformed into a 7–8 kV_{AC} alternating current by a high-voltage transformer.

The power pack has four gas-tight high voltage terminals and has been manufactured in accordance to type of protection IP 54, protection class I as per VDE.



Multistat

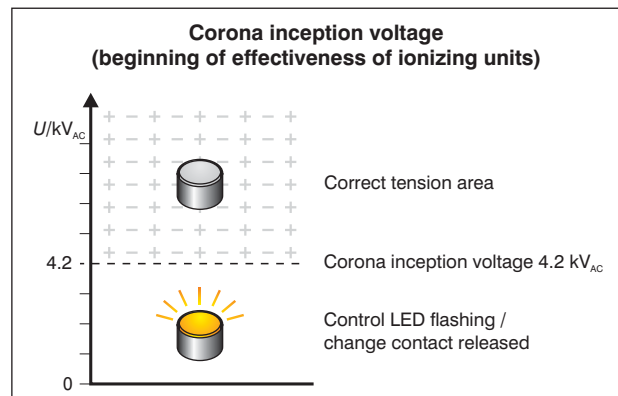
ill. 1



Performance monitoring

For an ionization system to work efficiently, a voltage of at least 4,2 kV_{AC} (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 signalling socket integrated into the housing and a signalling cable.



Special features 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 changeover contact
- Fault indication in case of insufficient mains voltage by means of a floating changeover contact
- The floating changeover 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 patented coaxial plug-and-socket connection System X-2000 ensures a secure connection. The assembly of the connector is straightforward and does not require any tools

Applications

- Plastic processing industry: Film extruders, film processing, manufacturing of plastic tubes sections, shells and rods and in plastic extruders
- Packaging industry: Packing machines, filling machines and bag manufacture
- Graphics industry: Folding machines, print processing
- Electrical industry: printed circuit board manufacture

Possible configurations

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

- Ionizing bars
- Annular electrodes
- Ring ionizers
- Air-assisted ionizing systems

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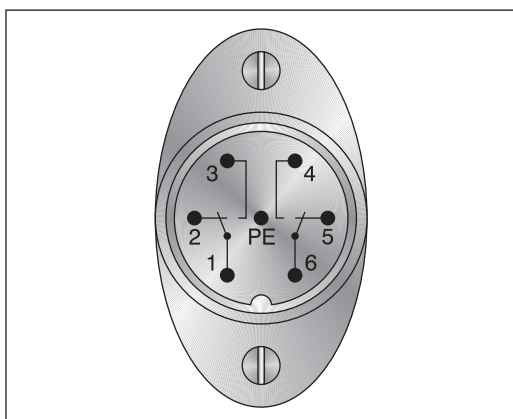
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Signalling socket

Output states

State	Contacts closed	
High voltage ok; Mains voltage ok	1 and 3	5 and 6
High voltage failure ($HV < 4,2 \text{ kV}_{AC}$)	1 and 3	4 and 6
Mains voltage failure	1 and 2	5 and 6

Multistat

Technical data

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

Type of protection:	IP 54
Protection class:	I
Supply voltage:	115 V _{AC} / 230 V _{AC} (50 – 60 Hz)
Power consumption:	approx. 80 VA
Rated output voltage:	approx. 7 – 8 kV _{AC}
Short-circuit output current:	$I_k \leq 5 \text{ mA}$

Load ratings of signalling contact: 24 V_{AC}/35 V_{DC}, max. 50 mA

HV terminals:	4
Connectable length:	18 m max. (ionizing unit incl. HV cable)

Operating temperature:	+5 °C up to +45 °C
Storage/Transport temperature:	-15 °C up to +60 °C

Weight:	5 kg
Mains cable:	2,6 m; fixed to the device

Subject to technical changes!

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

