

# HAUG Ionization - for the elimination of electrostatic charges



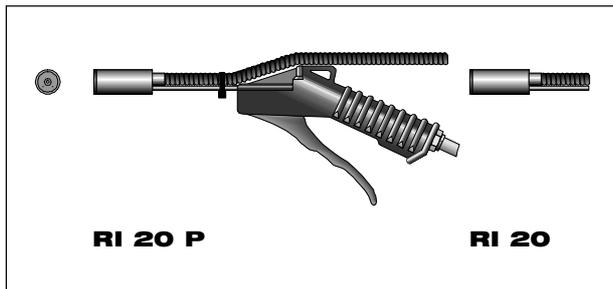
## HAUG ring ionizers

The HAUG ring ionizer is a highly effective production aid for the discharging and cleaning of surfaces – in particular of non-conductive materials. Beside the handheld unit, other versions are available for installation into plants and machinery (without air gun).

### Ring ionizer RI 20 / RI 20 P

This "mini" version is particularly suited for the discharge of very small areas and components in confined workspaces. It is light, flexible and easy to handle, and its robust design makes this unit the ionizer of choice for many discharge processes.

iii.1

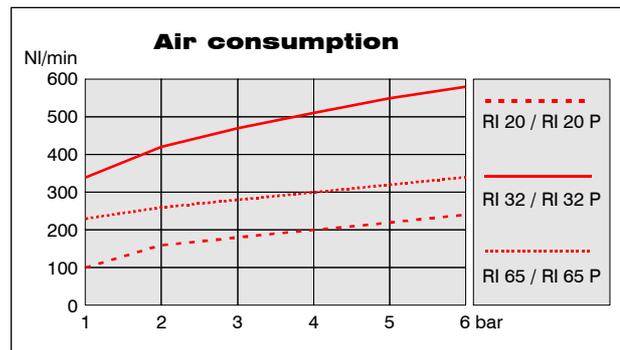


## Voltage supply

The ring ionizers are simply connected to a HAUG high-voltage power pack. Power packs are available for a variety of mains voltages and can be specified to have two or four high-voltage connections.

The HAUG Multistat power pack is particularly recommended for this application. This fully electronic unit includes an integrated electronic fault and performance monitor ensuring a high and consistent standard of quality.

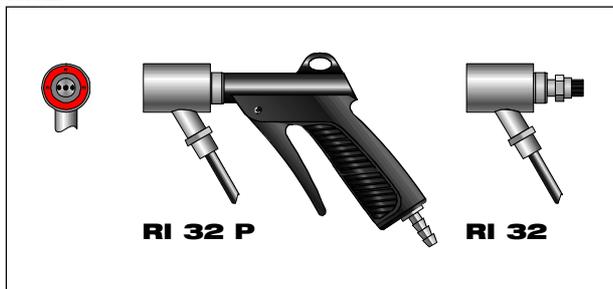
iii.4



### Ring ionizer RI 32 / RI 32 P

This HAUG ring ionizer is light, but robust and easy to handle. Its ergonomic design ensures that this unit is easy to use.

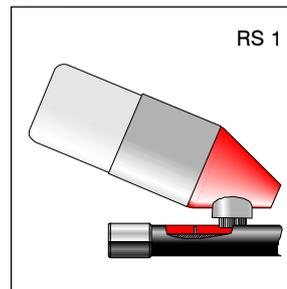
iii.2



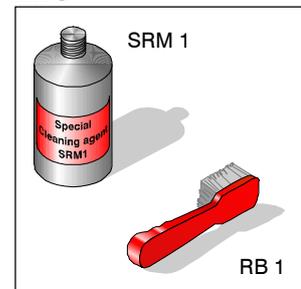
## Cleaning and maintenance

Regular use of the special HAUG cleaning agent SRM 1 and of the cleaning system RS 1 will also ensure a consistently high effectiveness.

iii.5



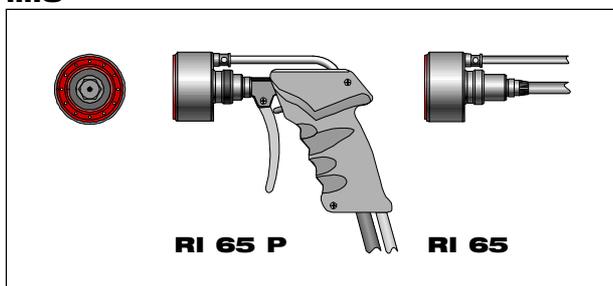
iii.6



### Ring ionizer RI 65 / RI 65 P

There is a direct correlation between dust and electrostatic charges. Plastic moldings, films and foils, optical and electronic components, plastic sheets etc. often show surface charges which cannot be eliminated electrically due to the highly insulating material properties. The resulting electrostatic charges of the surface attract dirt and particles suspended in the environment. This leads to a reduction of the surface cleanliness and hampers further processing.

iii.3



## Service unit

The use of a service unit (compact filter control valve) for the pretreatment of the air is indispensable. It is intended to separate any oil and water content, and it also allows the operating pressure to be regulated. For particular applications service units with ultra-fine filters can be supplied.

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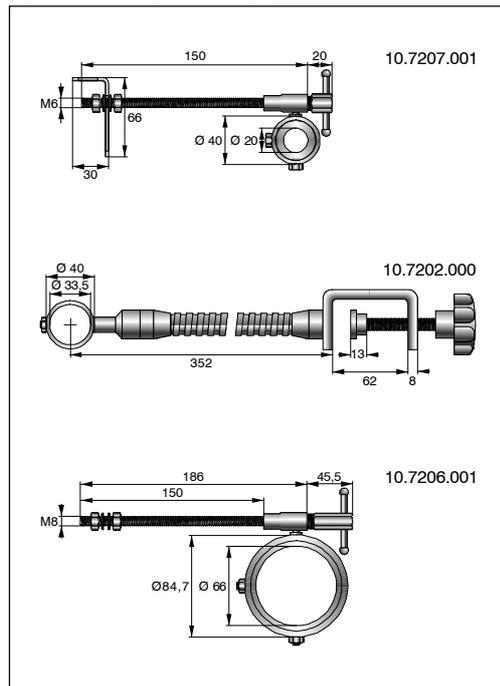
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### Standard holders



## Ring ionizers

### Accessories

Compact filter control valve with pressure gauge:	Order-No.: 11.7224.004
Air hose for RI 20	Order-No: X-6606
Air hose for RI 65 P	Order-No: X-6615
Air hose for RI 20 P / RI 32 / RI 32 P / RI 65	Order-No: X-6607
Standard holder for RI 20	Order-No: 10.7207.001
Standard holder for RI 32	Order-No: 10.7202.000
Standard holder for RI 65	Order-No: 10.7206.001

### Suitable power packs

Connectable lengths (ionizing unit incl. high-voltage cable):	
EN SL	max. 5 m
EN SL LC / EN SL RLC	max. 10 m
EN 8 / EN 8 LC	max. 18 m
Multistat	max. 18 m
EN 70 / EN 70 LC	max. 2 x 18 m

### Technical data RI 20 / RI 20 P

Types:	<b>RI 20</b>	Order-No.: 04.7200.000
	<b>RI 20 P</b>	Order-No.: 04.7203.000
Dimensions:	Ø 20 mm	
Nozzle:	Ø 2 mm, solid stream nozzle	
Weight RI 20:	0.2 kg (without HV-cable, without air hose)	
Weight RI 20 P:	0.5 kg (with handle, without HV-cable, without air hose)	
Air consumption:	according to ill.4, depending on pressure	
Optimum operating pressure:	approx. 3 bar	
Operating temperature:	+5 °C to +45 °C	
Storage/transport temperature:	-15 °C to +60 °C	
Smallest bending radius (cable):	R 50	

### Technical data RI 32 / RI 32 P

Types:	<b>RI 32</b>	Order-No.: 04.7195.000
	<b>RI 32 P</b>	Order-No.: 04.7196.000
Dimensions:	Ø 32 mm	
Nozzle:	3 x Ø 1.6 mm, solid stream nozzles, replaceable	
Weight RI 32:	0.4 kg (without HV-cable, without air hose)	
Weight RI 32 P:	0.6 kg (with handle, without HV-cable, without air hose)	
Air consumption:	according to ill. 4, depending on pressure	
Optimum operating pressure:	approx. 3 bar	
Operating temperature:	+5 °C to +45 °C	
Storage/transport temperature:	-15 °C to +60 °C	
Smallest bending radius (cable):	R 50	

### Technical data RI 65 / RI 65 P

Types:	<b>RI 65</b>	Order-No.: 04.7194.000
	<b>RI 65 P</b>	Order-No.: 04.7187.000
Dimensions:	Ø 65 mm	
Nozzle:	Ø 2 mm, solid stream nozzle, replaceable	
Weight RI 65:	0.6 kg (without HV-cable, without air hose)	
Weight RI 65 P:	1.0 kg (with handle, without HV-cable; without air hose)	
Air consumption:	according to ill.4, depending on pressure	
Optimum operating pressure:	approx. 3 bar	
Ambient temperature:	+5 °C to +45 °C	
Storage/transport temperature:	-15 °C to +60 °C	
Smallest bending radius (cable):	R 50	

Subject to technical changes!

