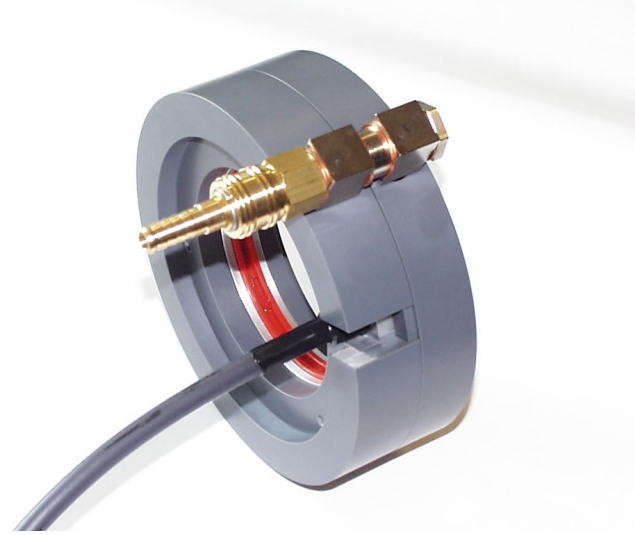
Operating instructions
RIF

Operating instructions
RIF
Ring ionizer in delivery pipe



Air Line

Types: Ring ionizer in delivery pipe RIF 018 / 028 / 038

Keep in a safe place for future reference!

Contents

1. Notes on operating instructions
2. Safety
3. Installation
4. Application
5. Remedy of defects
6. Maintenance and repairs
7. Technical data

1 Notes on operating instructions

In these operating instructions, the ring ionizer in the delivery pipe is also referred to as "unit" or "ionizing unit ".

1.1 Pictorial markings used

In these operating instructions

Caution!
Important instructions!

Danger!
High voltage!
Danger of fatal accidents!

Switch off the power pack before connecting or disconnecting the coaxial connectors!

In the operating instructions and on the unit

Danger!
High voltage!
Danger of fatal accidents!

2 Safety

The unit is operationally safe, provided that it is operated in accordance with its intended use.
In case of misuse, dangers may result:
- For life and limb of the operator,
- For the unit and other assets.

Also note Chapter 3.1 (Important installation notes).

Special safety instructions apply to operators with heart pacemakers; please apply to HAUG for details!

2.1 Intended use

The unit generates positive and negative ions.
The units are intended to eliminate electrostatic charges from pipe and duct delivery systems by assisting the air stream.
HAUG power packs only must be used for supplying the high voltage to the units.

Do not install or use the units in areas subject to explosion hazards.

For reasons of safety, unauthorized conversions and modifications of the unit are not permitted. The installation and operating conditions indicated in these Operating Instructions must be adhered to.

2.2 Danger sources

Defective high-voltage plugs and cables may lead to danger of electric shocks. Shut down the unit immediately in case of visible damage and suspected electrical defects.

Never use air-assisted ionizers without pressure reducers and compressed air filters (refer to "Accessories")!
Never exceed the permitted maximum pressure (see "Technical data")!
Secure air hoses with suitable clamps!

Danger!
High voltage!
Danger of fatal accidents!
Do not open unit!

Only plug in/unplug coaxial connector when the unit is switched off!

2.3 Operator qualifications

The unit may be installed and put into operation by trained electricians only or by authorized and persons informed about the potential dangers. The above mentioned persons must have read the operating instructions and must follow the instructions, notes and safety advice. The above-mentioned persons must have been instructed in the installation and handling of compressed air units and resulting dangers.

3 Installation

The unit may be installed by trained electricians only and by authorized persons informed about the potential dangers. The above mentioned persons must have read the operating instructions and must follow the instructions, notes and safety advice. The above-mentioned persons must have been instructed in the installation and handling of compressed air units and resulting dangers.

1. Integrate unit into pipe and duct delivery system.
2. Connect to air supply system.
3. Connect unit to power pack.

3.1 Important installation instructions

The unit must be integrated vertically into the system.

Never use air-assisted ionizers without pressure reducers and compressed air filters (refer to "Accessories")!
Never exceed the permitted maximum pressure (see "Technical data")!
Secure air hoses with suitable clamps!

Do not connect the units to the power pack until installation is completed.

Switch off the power pack before connecting or disconnecting the coaxial connectors!

4 Application

The unit may be put into operation by trained electricians only or by persons instructed in the potential dangers. The above mentioned persons must have read the operating instructions and must follow the instructions, notes and safety advice. The above-mentioned persons must have been instructed in the handling of compressed air units and resulting dangers.

Conditions:
The power pack and the ionizing unit must be connected correctly.

The ionizing units are used in connection with compressed air and HAUG power packs to eliminate electrostatic charges from the bulk material in pipe and duct delivery system.
The unit can also be operated without compressed air.

Figure 1: Elimination of electrostatic charges from bulk material

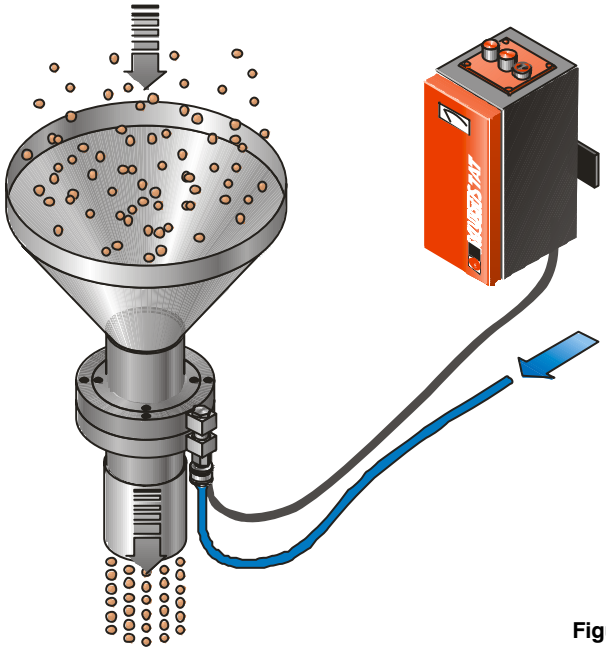


Figure 1

4.1 Putting into operation

1. Switch on compressed air supply.
2. Switch on power pack.

5 Remedy of defects

Any remedy of defects must be carried out by trained electricians only. The above mentioned persons must have read the operating instructions and must follow the instructions, notes and safety advice. The above-mentioned person must have been instructed in the installation and handling of compressed air units and resulting dangers.

In case of defects regarding the power pack and the ionizing unit, please check for correct installation first. If this does not solve the problem, please return the power pack together with the ionizing unit for examination.

Danger!
High voltage!
Danger of fatal accidents!

Switch off the power pack before connecting or disconnecting the coaxial connectors!

6 Maintenance and repairs

Danger!
High voltage!
Danger of fatal accidents!

This unit does not include any parts which can be repaired by the operator.

Should the unit prove defective or if a defect is suspected, switch off unit immediately and secure against subsequent reuse.

6.1 Cleaning

Clean at intervals of no more than 14 days using the special cleaning brush or the special cleaning system (refer to "Accessories").

6.2 Accessories

Compressed air service station ¾“	11.7210.001
Compressed-air hose	X – 6619
Special cleaning fluid	10.7220.000
Special cleaning brush	10.7218.000
Special cleaning system	10.7218.001
Circular brush for special cleaning system	X – 6822

7 Technical data

7.1 Supply voltage

The ionizing units are provided with high voltage from HAUG power packs.

7.2 Compressed air

Maximum pressure	6 bar, free of oil and aerosols
Operating pressure	1 – 2 bar

7.3 Ambient conditions

Ambient temperature:

Rated application range	+5 °C to +45 °C
Extreme range for storage and transport	-15 °C to +60 °C

Humidity:

Rated application range	20 % to 65 % RH
Extreme range for storage and transport	0 % to 85 % RH

7.4 Dimensions

	RIF 018	RIF 028	RIF 038
External diameter:	ø180 mm	ø280 mm	ø380 mm

High tensions lead:	Length customer-specific
Compressed-air hose:	Length customer-specific

made by

HAUG GmbH & Co.KG

Friedrich-List-Straße 18
D-70771 Leinfelden-Echterdingen
Telefon 07 11 / 94 98 - 0
Telefax 07 11 / 94 98 - 298

www.haug.de
E-Mail: info@haug.de

HAUG Biel AG

Postfach 52
CH-2500 Biel/ Bienne 6
Johann-Renfer-Strasse 60
CH-2500 Biel/ Bienne 6
Telefon 0 32 / 3 44 96 96
Telefax 0 32 / 3 44 96 97

www.haug.de
E-Mail: haug@bluewin.ch

D – 0259
17.08.04