



EXPLOSION PROOF HEATER

ONE-PASS™ / AD 60 / AD 61

Specific safety instructions

TRANSLATION OF THE ORIGINAL MANUAL

IMPORTANT : Before assembly and start-up, please read and clearly understand all the documents relating to this equipment (professional use only).

THE PICTURES AND DRAWINGS ARE NON CONTRACTUAL. WE RESERVE THE RIGHT TO MAKE CHANGES WITHOUT PRIOR NOTICE.

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WARNING : The equipment can be dangerous if you do not use it according to the rules mentioned in this instruction manual. Read carefully all the instructions hereafter before operating your equipment.

The personnel involved in operating and servicing the equipment must be aware of all safety requirements stated in this manual. The workshop supervisor must be certain that the personnel has perfectly understood the safety instructions hereafter and complies with them.

Read all instruction manuals as well as the tags of the equipments before operating the equipment.

Refer to local safety instructions and comply with them.

■ **STANDARDS**

The following instructions must be read together with :

- The standard NF C 15100 (French rules on electric installations),
- The standard NF EN 60079-14 (electric installations in explosive gas area),
- The standard NF EN 60079-17 (examination and daily care in hazardous areas),
- The statutory orders, the decrees, the laws, the directives, the circulars to enforce, the standards, the rule book and any other document regarding its installation area.

KREMLIN shall not be liable for their non-compliance.

■ **INSTALLATION REQUIREMENTS**

⚡ Ground the equipments.

The supply cable must be withdrawn at all risks of deterioration. It is advisable for the installer to avoid the presence of big length of flying cable. Envisage the installation of control closest to the heater.

Use the equipments only in a **well-ventilated area** to prevent from serious body injuries, fire and explosion hazards. Do not smoke in the spray area.

Never stock paints and solvents in the spray area. Always close the pots and the tins.

Do not install the paint drums underneath the electric equipments. Install a cover on the drums to reduce the diffusion of gas and vapours in the booth.

Always keep the spray area clean and free from debris (solvent, rags,...).

Read paint and solvent manufacturer's technical instructions.

Spraying of some materials may result in hazardous working conditions. To protect the operator, respirator mask, hand cream and glasses are required (Refer to chapter 'Safety equipment' of KREMLIN selection guide).



CAUTION : To prevent from any formation of gas and inflammable vapours, use paint whose flash point is the highest possible (refer to materials' safety instructions).

■ EQUIPMENT REQUIREMENTS

The operating pressure of these equipments are particularly high. Consequently, some precautions must be taken in order to prevent from accidents and from unsafe working conditions :

- ➔ **Never exceed the components maximum working pressure of the equipment.**

HOSES

Do not use hoses with a maximum burst-proof pressure less than four times the maximum service pressure of the pump (see data sheet).

Be certain the hoses are not crimped, leaking and not unrolled.

Be certain hoses are in good conditions and showing no evidence of damage.

- ➔ **Use only air hose with static conductor to connect the pump with the spray gun.**

All fittings must be tight and in good condition.

PUMP

- ➔ **Ground the equipment (use the connection on the pump).**

Do not use any product or solvent incompatible with the pump components.

Use the appropriate solvent for the material being sprayed to increase the equipment working life.

GUN

Never wipe the end of the tip with the fingers.

Never point the spray gun at anyone or at any part of the body.

Always depressurize air and hoses before carrying out any servicing on the gun.

HEATER

- ➔ **The ONE-PASS™, AD 60 oder AD 61 are designed to be explosion-proof and can be installed in an explosive area (area 1 or area 2).**

- ➔ **Ground the equipment (intake with ground or connection on the heater).**

Check the voltage indicated on the equipment before plugging it in.

Do not use any product or solvent incompatible with the paint heater components.

Use the appropriate solvent for the material being sprayed to increase the equipment working-life.

The equipment is designed for heating the paint. Let the systems cool before any servicing on the installation.



A **danger** label - Hot parts or surfaces - fits out the paint heater with.



The heater is fitted with a '**ATEX DO NOT MODIFY**' label.

That equipment has an ATEX agreement and cannot , in no case, be modified.



Disconnect the paint heater and let it cool before using flushing solvent or any other cleaning solvent.

MAINTENANCE REQUIREMENTS

➡ **Never modify these equipments.**

Check them daily, keep them in a good conditions and replace the worn parts **only with KREMLIN parts.**

Before cleaning or removing components of the equipment, it is compulsory :

- **to shutt off the paint heater,**
- **to stop the pump by shutting off the compressed air supply,**
- **to open the pump drain valve or to press the gun trigger to depressurize the systems.**

➡ Important :

During the disassembly then the reassembly of the paint heater :

- Check that no corrosion trace, chemical attack or deterioration appeared on the mating surface between the cover and the regulation box.
- The cable inlet provided with its stuffing box, must have at least 5 threads engagement in the regulation box. You have to use graphited grease to assembly it. The use of Teflon ribbon or standard oakum "plumbing" is prohibited
- If you replace the supply cable, the stuffing box in the cable inlet as well as the stowing device of the cable (fixing) must be suitably tight.
- All the closure screws (30) must be present, tight and of an equivalent or higher class than the original screws (see the table below). The repair of threadings in the control box is prohibited.

ENVIRONMENT



This equipment consists of a label plate with the name of the manufacturer, the equipment part number, the interesting informations to use correctly the equipment (pressure, voltage...) and the above pictogram.

The equipment is designed with and consists of high quality materials and components which can be re-used.

The 2002/96/EC European Directive covers all equipments with a crossed-out bin pictogram. Please inform yourself about the collection systems for electric and electronic equipments.

Please act according to local rules and **do not throw the old equipments with household wastes.** A correct disposal of the old equipment will help prevent negative consequences for the environment and health.