

REXSON PUMPS RANGE SAFETY INSTRUCTION



SAFETY INSTRUCTION
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Translation of the original instructions

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1 Safety instructions

1.1 Personal safety

Overview



Read all operating instructions and device labels carefully before putting the equipment into service.

Personnel using this equipment must have been trained in its use.

The workshop manager must ensure that the operators have fully understood all the instructions and safety rules of this equipment and other elements and accessories of the installation.

Misuse or operation can cause serious injury. This material is for professional use only. It must be used only for the purpose for which it was intended.

Do not modify or transform the material. Parts and accessories must only be supplied or approved by SAMES KREMLIN.

The equipment must be checked periodically. Defective or worn parts must be replaced.

Never exceed the maximum working pressures of the equipment components.

Always respect the laws in force regarding security, fire, electricity of the destination country of the equipment.

Only use products or solvents that are compatible with the parts in contact with the product (see product manufacturer's technical data sheet).

Meaning of the pictograms

| | | | |
|---|--|--|--|
|  <p>Danger pinching, crushin</p> |  <p>Danger moving parts</p> |  <p>Danger : high pressure</p> |  <p>Risks of product emanation</p> |
|  <p>Danger : hot parts or surfaces</p> |  <p>Danger : flammability risks</p> |  <p>Danger : electricity</p> |  <p>Risk of explosion</p> |
|  <p>Danger (user)</p> |  <p>Warning Danger</p> |  <p>Gloves required</p> |  <p>Grounding</p> |
|  <p>Protective helmet</p> |  <p>Hearing protection</p> |  <p>Mandatory respiratory protection</p> |  <p>Safety shoe</p> |
|  <p>Protective clothing</p> |  <p>Protective visor</p> |  <p>Safety glasses is mandatory</p> |  <p>Refer to the manual/instruction leaflet</p> |

Security devices



Attention

- ✓ Guards (motor cover, coupling guard, housings, ...) are set up for safe use of the equipment.
- ✓ The manufacturer can not be held responsible for any bodily injury as well as failures and / or damage to the equipment resulting from the destruction, the occultation or the total or partial removal of the protectors.
- ✓ Never exceed the maximum working pressures of the equipment components.

Danger of Pressure



Safety requires that a decompressed air shutoff valve be mounted on the pump motor supply circuit to allow trapped air to escape when the supply is shut off.

Without this precaution, the residual air from the engine may cause the motor pump to operate and cause a serious accident.

Similarly, a **product purge valve** must be installed on the product circuit so that it can be purged (after shutting off engine air and decompressing it) before any intervention on the equipment. These valves should remain closed for air and open for the product during the procedure.

Injection hazards



"HIGH PRESSURE" technology requires the utmost care.

Operation can cause dangerous leaks. There is a risk of product injection into exposed parts of the body, which can lead to serious injury and the risk of amputation :

- ✓ An injection of product into the skin or other parts of the body (eyes, fingers ...) must be treated urgently by appropriate medical care.
- ✓ Do not look at the gun nozzle when it is under pressure.
- ✓ Never direct the jet to another person.
- ✓ Never attempt to stop the jet with the body (hands, fingers ...) or with rags or similar.

Fire hazards, explosion, electric arc, static electricity



Improper grounding, insufficient ventilation, open flames or sparks can cause an explosion or fire which could result in serious injury.

To avoid these risks, especially when using pumps, it is imperative :

- ✓ To connect the equipment, the parts to be treated, the cans of products and cleaners to the ground,
- ✓ To ensure good ventilation,
- ✓ Keep the work area clean and free of rags, papers, solvents,
- ✓ Do not operate electrical switches in the presence of vapors or during removal,
- ✓ Immediately stop the application in the presence of arcs,
- ✓ Store all liquids outside the work areas.
- ✓ Use products whose flash point is as high as possible to avoid any risk of formation of flammable gases and vapors (consult the product safety data sheets).
- ✓ To equip the drums with a lid to reduce the diffusion of gases and vapors in the cabin.
- ✓ It is forbidden to pump explosive materials

Hazards of toxic products



Toxic products or vapors can cause serious injury through contact with the body, in the eyes, under the skin, but also by ingestion or inhalation. It is imperative :

- ✓ To know the type of product used and the dangers it represents,
- ✓ Store the products to be used in appropriate areas,
- ✓ Contain the product used in the application in a container designed for that purpose,
- ✓ Evacuate the products in accordance with the legislation of the country where the equipment is used,
- ✓ To wear protective clothing designed for that purpose,
- ✓ Wearing goggles, hearing protectors, gloves, shoes, coveralls and masks for the respiratory tract.



Attention

The use of halogenated hydrocarbon solvents and products containing these solvents in the presence of aluminum or zinc is prohibited.

Failure to follow these instructions exposes the user to the risk of explosion resulting in serious injury or death.

1.2 Integrity of the material

Material recommendations



Protectors are put in place for safe use of the equipment. The manufacturer can not be held responsible in case of:

- ✓ Bodily injury.
- ✓ As well as breakdowns and / or damage to the equipment resulting from the destruction, the occultation or the total or partial withdrawal of the protectors.

Pump

It is imperative to be aware of the compatibility of the motors and pumps before coupling them together as well as the special safety instructions. These instructions can be found in the instruction manuals of the pumps.

The air motor is intended to be coupled to a pump. Never modify the coupling system. Keep hands away from moving parts. The moving parts must be kept clean. Before commissioning or using the motor pump, read carefully the DECOMPRESSURE PROCEDURE. Check the proper operation of the pressure relief and bleed air valves.

Tubing

Recommendations

- ✓ Keep hoses away from traffic areas, moving parts and hot areas.
- ✓ Never subject hoses being produced to temperatures above 80°C or below 0°C.
- ✓ Do not use hoses to pull or move equipment.
- ✓ Tighten all connections and hoses and couplings before operating equipment.
- ✓ Check hoses regularly and replace if damaged.
- ✓ Never exceed the maximum working pressure (MWP) stated on the hose.
- ✓ When fitting the hoses and the gun: PPE must be worn.
- ✓ Tighten to full stop (hoses + gun).

Products implemented

Given the diversity of the products implemented by the users and the impossibility of listing all the characteristics of the chemical substances, their interactions and their evolution over time SAMES KREMLIN can not be held responsible:

- ✓ The poor compatibility of materials in contact.
- ✓ inherent risks to staff and the environment.
- ✓ Wear and tear, maladjustment, malfunction of equipment or machines and the quality of the finished product.



The user will have to identify and prevent the potential dangers inherent to the implemented products such as /

- ✓ Toxic vapors.
- ✓ Fire.
- ✓ Explosions.

It will determine the risks of immediate reactions or due to repeated exposures to the staff.

SAMES KREMLIN declines any responsibility, in case of:

- ✓ Bodily or psychic injuries.
 - ✓ Direct or indirect material damage due to the use of chemical substances.
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2 Environment

The equipment must be installed on a horizontal, stable and flat ground (eg concrete slab).

Non-moving equipment must be fixed to the ground by suitable fasteners (spit, screws, bolts, ...) to ensure their stability during use.



To avoid risks due to static electricity, the equipment and its components must be grounded.

- ✓ **In combination with a pneumatic motor, the hydraulics will be earthed via the earth cable of this motor.** This earth cable must be connected to a safe earth.
 - ✓ Have the earth continuity checked by a qualified electrician. If earth continuity is not assured, check terminal, wire and grounding point. Never operate the equipment without solving this problem.
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- ✓ **Do not store** more flammable products than necessary inside the work area.
 - ✓ These products must be stored in **approved containers** and grounded.
 - ✓ Use only grounded **metal buckets** for the use of rinse solvents.
 - ✓ **Cartons and papers are to be banned.** Indeed they are very bad conductors, even insulators.
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