KREMLIN

INSTRUCTION MANUAL

AIRSPRAY GUN

MODEL J 53

Manual : 0506 573.156.112

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Modif. : update

ADDITIONAL DOCUMENTATIONS

SPARE PARTS : GUN, model J 53 (Doc. 573.288.050)

KREMLIN REXSON – Site de Stains : 150, avenue de Stalingrad
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INSTRUCTION MANUAL

AIRSPRAY GUN - MODEL J 53 A & J 53 P

Dear Customer, you have just acquired an outstanding gun. For your entire satisfaction, special care has been taken by KREMLIN during all manufacturing processes for this spray gun. We suggest you first read carefully the following instruction manual before operating your gun.

1. EC DECLARATION OF CONFORMITY

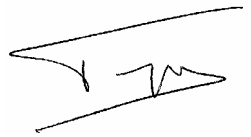
The manufacturer : **KREMLIN REXSON** with assets of 6 720 000 Euros
Head office : 150, avenue de Stalingrad 93 245 - STAINS CEDEX - FRANCE
Tel. 33 (0)1 49 40 25 25 - Fax : 33 (0)1 48 26 07 16

Herewith declares that : Spray gun, is in conformity with :

Maquinery Directive (Directive 98/37/EC) as amended and with national implementing legislation,

ATEX Directive (Directive 94/9/EC) : Ex II 2 G (group II, class 2, class)

Established in Stains, on March 1 st 2003,



Daniel TRAGUS
President

2. GENERAL SAFETY INSTRUCTIONS

WARNING : Any misuse of the equipment or accessories can damage them , result in serious body injury, fire or explosion hazard and reduce the equipment working life. Read, understand and comply with the safety instructions hereafter.

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 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.

■ INSTALLATION REQUIREMENTS

➲ **Ground the equipments.**

Use the equipment only in a properly ventilated area to maximilize health care. Any misuse of the spray equipment or accessories can damage them and result in serious body injury, fire or explosion hazard. Do not smoke in the spray area.

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

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).

■ EQUIPMENT REQUIREMENTS

The operating pressure of these equipments are aprticularly 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 condition and showing no evidence of damage.

➲ **Use only air hose with static conductor to supply the spray gun.**

All fittings must be tight and in good condition.

GUN

Never wipe the end of the tip with 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.

■ MAINTENANCE REQUIREMENTS

➲ **Never modify these equipments.**

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

Before cleaning or removing components of the equipment, it is compulsory :
- **to stop the gun by shutting off the compressed air supply,**
- **to trigger the gun to depressurize the hoses.**

3. TECHNICAL FEATURES

Small, lightweight decorating spray gun with exceptional manoeuvrability.

	J 53 P	J 53 A
Maximum air feeding pressure	6 bar / 87 psi	
Recommended air working pressure	3 bar / 43.5 psi	
Maximum fluid feeding pressure	6 bar / 87 psi	(suction cup)
Maximum operating temperature	50°C / 122°F	
Weight with cup	470 g / 1.03 lb	470 g / 1.03 lb (without cup)
Nozzle and needle	Stainless steel	
Gun body	Aluminium	
Air fitting	M 1/4 NPS (+ M 1/4 BSP)	
Fluid fitting	M 1/4 NPS	

■ **J 53 P GUN**

Fluid viscosity CA N°4 (s)	Projector	Fluid output (cc/mn / oz/mn)	Air consumption (m3/h / c.f.m)	Fan width (cm / ")	Fan type
14 – 20 s	**08 PX**	100 / 3.5	10 / 5.9	18 / 7.1"	Flat fan
20 – 30 s	**10 PX**	120 / 4.2	10 / 5.9	21,5 / 8.5"	Flat fan
30 – 40 s	**12 PX**	150 / 5.3	10 / 5.9	22 / 8.7"	Flat fan
30 – 40 s	**10 GL**	120 / 4.2	10 / 5.9	8 / 3.1"	line

■ **J 53 A GUN**

Fluid viscosity CA N°4 (s)	Projector	Fluid output (cc/mn / oz/mn)	Air consumption (m3/h / c.f.m)	Fan width (cm / ")	Fan type
< 20 s	**08 AM**	80 / 2.8	10 / 5.9	10 / 3.9"	Flat fan
< 20 s	**10 AM**	92 / 3.2	10 / 5.9	12 / 4.7"	Flat fan
< 20 s	**12 AM**	131 / 4.6	10 / 5.9	17 / 6.7"	Flat fan
20 – 40 s	**15 AM**	165 / 5.8	10 / 5.9	18 / 7.1"	Flat fan

4. DESCRIPTION OF THE LABEL MARKING

Marking in accordance with the ATEX directive

KREMLIN **STAINS FRANCE**	Name and address of the manufacturer	On the trigger
03	Year of manufacturing (eg : 03 for 2003)	
Ex **II 2 G**	**II** : group II **2** : class 2 Surface equipment meant to an area where explosive atmospheres due to gas, vapours, mists or air mixtures with dusts will probably appear. **G** : gas	
P air : 6 bar / 87 psi	Gun air supply maximum pressure	
TYPE J 53	Gun model	On the body

5. SUPPLY SYSTEM

Air supply : 7 mm i.d hose with a M 1/4 NPS or M 1/4 BSP fitting on the gun depending on the model.

Fluid supply : **Suction :** cup assembly (0,75 l) with drip-free system.

Pressure : pressure pot or low pressure pump. 7 mm i.d fluid hose with a M 1/4 NPS fitting on the gun.

6. CONTROLS

■ **FAN WIDTH**

Can be adjusted by using the knurled knob located on the upper rear section of the spray gun. It controls the air going to the horns on the air cap.

- **FLUID OUTPUT**

  Having selected the proper fluid and nozzle/needle assembly and the fluid pressure, it is possible to further control the output by adjusting the travel of the needle (knurled knob located on the lower rear section of the spray gun).

7. GUN HANDLING

When mounting the air cap on the gun, hold it vertically in order to correctly adjust the air cap before screwing the air cap ring. Keep the gun perpendicular to the surface to be painted.

8. GUN CLEANING

Never use metal brushes files, points or clips for dismantling

- **SHORT BREAKS (LESS THAN 3 HOURS)**

  Remove the paint on the air cap, with a brush and solvent. Otherwise leave the equipment as it is. Removing the paint will prevent the drying and clogging of the holes.

- **LONG BREAKS**

  Gun : Unscrew the air cap.
  Remove the needle and then remove the fluid nozzle with the wrench provided. Soak the needle, air cap, fluid nozzle in solvent, clean the internal part of the gun, carefully brush the threated parts.

Never soak the gun in solvent

Paint cup : If you want to keep the paint in the cup, put a cover on it to prevent its drying. If not, empty out the paint and replace it with solvent. Clean the inside and outside part of the cup with a brush soaked in solvent.

9. TROUBLESHOOTING CHART - WHAT TO DO

TROUBLE	CAUSE	SOLUTION
Spray fan is not uniform.	Air holes in air cap are partially blocked. Improper ratio between Air pressure / Fluid flow rate. Nozzle is damaged.	Clean air cap. Turn the fan air control and adjust fluid flow rate. Change it.
Intermittant spray pattern.	Paint cup (or pressure tank) is empty. Nozzle not correctly tightened. Cup cover air hole blocked.	Fill it up. Tighten nozzle. Clean it.
Paint leak.	Dirt in the paint. Needle is worn out. Packing is worn out.	Operate 3 or 4 times the trigger and release it. Replace it. Replace it.
Air valve leak.	Defective valve.	Replace it.