



DOCUMENTATION - DOKUMENTATION - DOCUMENTACIÓN

PISTOLET / GUN / PISTOLE / PISTOLA

A 3

**PNEUMATIQUE / PNEUMATIC
PNEUMATISCHE / NEUMÁTICA**

Notice / Manual / Betriebsanleitung / Libro : 582.065.110 - 1605

Date / Datum / Fecha : 27/05/16

Annule / Supersede / Ersetzt / Anula :

Modif. / Änderung :

**NOTICE ORIGINALE / TRANSLATION FROM THE ORIGINAL MANUAL
/ ÜBERSETZUNG DER ORIGINAL BETRIEBSANLEITUNG
/ TRADUCCIÓN DEL MANUAL ORIGINAL**

IMPORTANT : Lire attentivement tous les documents avant le stockage, l'installation ou la mise en service du matériel concerné (à usage strictement professionnel).

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

WICHTIGER HINWEIS: Vor Lagerung, Installation oder Inbetriebnahme des Geräts bitte sämtliche Dokumente sorgfältig lesen (Einsatz nur von geschultem Personal).

IMPORTANTE : Lea con atención todos los documentos antes de almacenar, instalar o poner en marcha el equipo (uso exclusivamente profesional).

PHOTOS ET ILLUSTRATIONS NON CONTRACTUELLES. MATÉRIELS SUJETS A MODIFICATION(S) SANS PREAVIS.

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

ALLE IN DIESEM DOKUMENT ENTHALTENEN SCHRIFTLICHEN ANGABEN UND ABBILDUNGEN STELLEN DIE NEUESTEN

PRODUKTINFORMATIONEN DAR. WIR BEHALTEN UNS DAS RECHT VOR, JEDERZEIT OHNE VORANKÜNDIGUNG ÄNDERUNGEN VORZUNEHMEN.

LAS FOTOGRAFÍAS E ILUSTRACIONES NO SON VINCULANTES. LOS MATERIALES ESTÁN SUJETOS A CAMBIOS SIN PREVIO AVISO.

KREMLIN - REXSON

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93 245 - STAINS CEDEX - France

☎ : 33 (0)1 49 40 25 25 Fax : 33 (0)1 48 26 07 16

www.kremlin-rexson.com



<p align="center">FR</p> <p>Pour une utilisation sûre, il est de votre responsabilité de :</p> <ul style="list-style-type: none"> • Lire attentivement tous les documents contenus dans le CD joint avant la mise en service de l'équipement, • D'installer, d'utiliser, d'entretenir et de réparer l'équipement conformément aux préconisations de KREMLIN REXSON ainsi qu'aux réglementations nationales et/ou locales, • Vous assurez que les utilisateurs de cet équipement ont été formés, ont parfaitement compris les règles de sécurité et qu'ils les appliquent. 	<p align="center">UK</p> <p>To ensure safe use of the machinery, it is your responsibility to:</p> <ul style="list-style-type: none"> • Carefully read all documents contained on the enclosed CD before putting the machinery into service, • Install, use, maintain and repair the machinery in accordance with KREMLIN REXSON's recommendations and national and/or local regulations, • Make sure that the users of the machinery have received proper training and that they have perfectly understood the safety rules and apply them. 	<p align="center">DE</p> <p>Eine sichere Nutzung setzt voraus, dass Sie: :</p> <ul style="list-style-type: none"> • alle in der CD enthaltenen Dokumente vor der Inbetriebnahme der Anlage aufmerksam lesen, • die Anlage im Einklang mit den Empfehlungen von KREMLIN REXSON sowie mit den nationalen und/oder lokalen Bestimmungen installieren, verwenden, warten und reparieren, • sich vergewissern, dass die Nutzer dieser Anlage angemessen geschult wurden, die Sicherheitsbestimmungen verstanden haben und sie anwenden.
<p align="center">ES</p> <p>Para una utilización segura, será de su responsabilidad:</p> <ul style="list-style-type: none"> • leer atentamente todos los documentos que se incluyen en el CD adjunto antes de la puesta en servicio del equipo, • instalar, utilizar, efectuar el mantenimiento y reparar el equipo con arreglo a las recomendaciones de KREMLIN REXSON y a la normativa nacional y/o local, • cerciorarse de que los usuarios de este equipo han recibido la formación necesaria, han entendido perfectamente las normas de seguridad y las aplican. 	<p align="center">IT</p> <p>Per un uso sicuro, vi invitiamo a:</p> <ul style="list-style-type: none"> • leggere attentamente tutta la documentazione contenuta nel CD allegato prima della messa in funzione dell'apparecchio, • installare, utilizzare, mantenere e riparare l'apparecchio rispettando le raccomandazioni di KREMLIN REXSON, nonché le normative nazionali e/o locali, • accertarvi che gli utilizzatori dell'apparecchio abbiano ricevuto adeguata formazione, abbiano perfettamente compreso le regole di sicurezza e le applichino. 	<p align="center">PT</p> <p>Para uma utilização segura, é da sua responsabilidade:</p> <ul style="list-style-type: none"> • Ler atentamente todos os documentos incluídos no CD em anexo antes de pôr o equipamento em funcionamento, • Proceder à instalação, utilização, manutenção e reparação do equipamento de acordo com as preconizações de KREMLIN REXSON, bem como com outros regulamentos nacionais e/ou locais aplicáveis, • Assegurar-se que os utilizadores do equipamento foram devidamente capacitados, compreenderam perfeitamente e aplicam as devidas regras de segurança.
<p align="center">NL</p> <p>Voor een veilig gebruik dient u:</p> <ul style="list-style-type: none"> • alle document op de bijgevoegde cd aandachtig te lezen alvorens het apparaat in werking te stellen, • het apparaat te installeren, gebruiken, onderhouden en repareren volgens de door KREMLIN REXSON gegeven aanbevelingen en overeenkomstig de nationale en/of plaatselijke reglementeringen, • zeker te stellen dat de gebruikers van dit apparaat zijn opgeleid, de veiligheidsregels perfect hebben begrepen en dat zij die ook toepassen. 	<p align="center">SE</p> <p>För en säker användning av utrustningen ansvarar ni för följande:</p> <ul style="list-style-type: none"> • Läs noga samtliga dokument som finns på den medföljande cd-skivan innan utrustningen tas i drift. • Installera, använd, underhåll och reparera utrustningen enligt anvisningarna från KREMLIN REXSON och enligt nationella och/eller lokala bestämmelser. • Försäkra er om att användare av denna utrustning erhållit utbildning, till fullo förstått säkerhetsföreskrifterna och tillämpar dem. 	<p align="center">FI</p> <p>Käytön turvallisuuden varmistamiseksi velvollisuutesi on:</p> <ul style="list-style-type: none"> • Lukea huolella kaikki CD:llä olevat asiakirjat ennen laitteiston käyttöönottoa, • Noudattaa laitteiston asennuksessa, käytössä, kunnossapidossa ja huollossa KREMLIN REXSON in suosituksia sekä kansallisia ja/tai paikallisia määräyksiä, • Varmistaa, että laitteiston käyttäjät ovat koulutettuja ja ymmärtävät täysin turvallisuusmääräykset ja miten niitä sovelletaan.
<p align="center">PL</p> <p>Dla zapewnienia bezpiecznego użytkowania na użytkownika spoczywa obowiązek:</p> <ul style="list-style-type: none"> • Uważnego zapoznania się ze wszystkimi dokumentami znajdującymi się na załączonej płycie CD przed pierwszym uruchomieniem urządzenia, • Instalowania, użytkowania, konserwacji i naprawy urządzenia zgodnie z zaleceniami firmy KREMLIN REXSON oraz z przepisami miejscowymi, • Upewnienia, że wszyscy przeszkoleni użytkownicy urządzenia zrozumieli zasady bezpieczeństwa i stosują się do nich. 	<p align="center">CS</p> <p>Pro bezpečné používání jste povinni:</p> <ul style="list-style-type: none"> • Před uvedením zařízení do provozu si pozorně přečíst veškeré dokumenty obsažené na příloženém CD, • Nainstalovat, používat, udržovat a opravovat zařízení v souladu s pokyny firmy KREMLIN REXSON a s národními a/nebo místními legislativními předpisy, • Ujistit se, že uživatelé tohoto zařízení byli vyškoleni, že dokonale pochopili bezpečnostní pravidla a že je dodržují. 	<p align="center">RU</p> <p>Для целей безопасного использования необходимо:</p> <ul style="list-style-type: none"> • Ознакомиться со всеми документами, содержащимися в прилагаемом компакт-диске до ввода оборудования в эксплуатацию; • Устанавливать, использовать, производить техническое обслуживание и ремонт оборудования в соответствии с рекомендациями KREMLIN REXSON и национальным и/или местным законодательством; • Убедиться, что пользователи настоящего оборудования прошли подготовку, надлежащим образом усвоили правила безопасности и обеспечивают их соблюдение.

Déclaration(s) de conformité au verso de ce document / Declaration(s) of conformity at the back of this document / Konformitätserklärung(en) auf der Rückseite dieser Unterlage / Declaración (es) de conformidad en el reverso de este documento / Dichiarazione/i di conformità sul retro del presente documento / Declaração(ões) de conformidade no verso do documento / Conformiteitsverklaring(en) op de keerzijde van dit document / Försäkran om överensstämmelse på omstående sida av detta dokument / Vaatimustenmukaisuusvakuutukset tämän asiakirjan kääntöpuolella / Deklaracja(e) zgodności na odwrocie dokumentu / Prohlášení o shodě se nachází/nacházejí na zadní straně tohoto dokumentu / Сертификат(ы) соответствия расположены на оборотной стороне настоящего документа



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 ДЕКЛАРАЦИЯ О СООТВЕТСТВИИ НОРМАМ ЕС**


Le fabricant / The manufacturer / Der Hersteller / El fabricante / Il produttore / O fabricante / De fabrikant / Tillverkare / Valmistaja / Producent / Výrobce / Изготовитель:	KREMLIN REXSON 150, avenue de Stalingrad 93 240 - STAINS - FRANCE Tél. 33 (0)1 49 40 25 25 - Fax : 33 (0)1 48 26 07 16
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**PISTOLETS AUTOMATIQUES DE PULVERISATION PNEUMATIQUES / AIRSPRAY AUTOMATIC SPRAYING GUNS
 / AUTOMATIK LUFTSPRITZPISTOLEN / PISTOLAS AUTOMÁTICAS DE PULVERIZACIÓN NEUMÁTICAS**

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Est conforme à la législation d'harmonisation de l'Union applicable suivante / Is in conformity with the relevant Union harmonisation legislation / Erfüllt die einschlägigen Harmonisierungsrechtsvorschriften der Union / es conforme con la legislación de armonización pertinente de la Unión / è conforme alla pertinente normativa di armonizzazione dell'Unione / in overeenstemming met de desbetreffende harmonisatiewetgeving van de Unie / med den relevanta harmoniserade unionslagstiftningen / on asiaa koskevan unionin yhdenmukaistamislainsäädännön vaatimusten mukainen / jest zgodny z odpowiednimi wymaganiami unijnego prawodawstwa harmonizacyjnego / Shoduje se s následující příslušnou evropskou harmonizační legislativou / Соответствует следующим стандартизированным нормам Союза

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Dominique LAGOUGE

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INSTALLATION AND 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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1. SAFETY INSTRUCTIONS

GENERAL SAFETY INSTRUCTIONS



CAUTION : The equipment can be dangerous if you do not follow our instructions concerning installation and servicing described in this manual and in accordance with applicable European standards and local national safety regulations.

Please carefully read all the instruction literature before operating your equipment.

Only trained operators can use the equipment (To acquire an essential training, please contact the "KREMLIN REXSON University" training center - Stains).

The foreman must ensure that the operator has understood the safety instructions for this equipment as well as the instructions in the manuals for the different parts and accessories.

Read carefully all instruction manuals, label markings before operating the equipment.



















Incorrect use may result in injury. This equipment is for professional use only. It must be used only for what it has been designed for. Never modify the equipment. The parts and accessories supplied must be regularly inspected. Defective or worn parts must be replaced.

Guards (motor cover, coupling shields, connectors,...) have been designed for a safe use of the equipment.
The manufacturer will not be held responsible for bodily injury or failure and / or property damage due to destruction, the overshadowing or the partial or total removal of the guards.

Never exceed the equipment components' maximum working pressure.

Comply with regulations concerning safety, fire risks, electrical regulations in force in the country of final destination of the material. Use only products or solvent compatible with the parts in contact with the material (refer to data sheet of the material manufacturer).

PICTOGRAMS

					
NIP HAZARD	WARNING MOVING ELEVATOR	WARNING MOVING PARTS	WARNING MOVING SHOVEL	DO NOT EXCEED THIS PRESSURE	HIGH PRESSURE HAZARD
					
RELIEF OR DRAIN VALVE	WARNING HOSE UNDER PRESSURE	WEAR GLASSES OBLIGATORY	WEAR OF GLOVES IS OBLIGATORY	PRODUCT VAPOR HAZARDS	WARNING HOT PARTS OR AREAS
					
ELECTRICAL HAZARD	WARNING FIRE HAZARDS	EXPLOSION HAZARDS	GROUNDING	WARNING (USER)	WARNING SERIOUS INJURIES

FIRE - EXPLOSION - SPARKS - STATIC ELECTRICITY HAZARDS

A poor earth connection, inadequate ventilation, sparks or static electricity can cause an explosion or fire. to avoid these risks when using or servicing KREMLIN REXSON equipment, the following safety procedures must be followed :



- ensure a good earth connection and ground the parts to be handled i.e. solvents, materials, components and equipment,
- ensure adequate ventilation,
- keep working area clean and free from waste solvents, chemicals, or solid waste i.e. rags, paper and empty chemicals drums,
- never use electrical switches / power if in an atmosphere of volatile solvent vapour,
- stop working immediately in case of electrical arcs,
- never store chemicals and solvents in the working area.
- use paint whose flash point is the highest possible to prevent from any formation of gas and inflammable vapours (refer to materials' safety instructions),
- install a cover on the drums to reduce the diffusion of gas and vapours in the spraybooth.

TOXIC PRODUCT HAZARDS

Toxic products or vapours can cause severe injury not only through contact with the body, but also if the products are ingested or inhaled. It is imperative :



- to know the material products and their risks,
- notified or hazardous materials must be stored in accordance with the regulations,
- the material must be stored in an appropriate container, never place materials in a container where there is a risk of spillage or leakage,
- a procedure must be applied for the safe disposal of waste material. It must comply with all prevailing regulations and legislations of the country where the equipment is to be used,
- protective clothing should always be worn in compliance with the material manufacturers' recommendations,
- depending on the application and chemical safety instructions, safety glasses, hearing protective earplug, gloves, foot wear, protective masks and possible breathing equipment should be worn to comply with the regulations (Refer to chapter "Safety equipment of KREMLIN selection guide).



CAUTION!



It is forbidden to use material containing high concentrations of halogenated hydrocarbon solvents with **aluminium or zinc fillers** .Non-compliance with the instructions may cause explosion risk causing serious or fatal injury.

EQUIPMENT REQUIREMENTS

Guards (motor cover, coupling shields, connectors,...) have been designed for a safe use of the equipment.

The manufacturer will not be held responsible for bodily injury or failure and / or property damage due to destruction, the overshadowing or the partial or total removal of the guards.

PUMP



Before carrying out any work, it is imperative to read and clearly understand the disassembly and reassembly instructions before servicing. The operator must understand the equipment and the safety instructions. These instructions are available in the equipment manuals.



The air motor is designed to be mounted with a pump. Never modify any components or couplings. When operating, please keep hands away from moving parts. Before starting up the equipment, please read the PRESSURE RELIEF instructions. Please ensure that any relief or drain valves fitted are in good working order.

HOSES

- Keep hoses out of circulation areas, moving parts or hot surfaces,
- Never expose product hoses to temperature higher than + 60°C / 140° F or lower than 0°C / 32° F,
- Never pull or use the hoses to move the equipment,
- Tighten all fittings as well as the hoses before operating the equipment,
- Check the hoses regularly; change them if they are damaged,
- Never exceed the working pressure (WP) indicated on the hose.

USED PRODUCTS

Considering the wide variety of products that are available and can be used in our equipment it is impossible to check and make recommendations for all chemical data, regarding the risks of possible chemical attack and their long term chemical reaction

KREMLIN REXSON can not be held liable for :

- Compatibility of wetted parts,
- Risks to staff and the surroundings,
- for worn or defective parts, for faulty equipment or units, or the quality of final product.

It is the responsibility of the user to know and prevent any possible risks such as toxic vapours, fires or explosions. He shall determine the risks of immediate reactions or pursuant to repeated exposures of the staff,

KREMLIN REXSON shall not be liable for physical injuries, direct or indirect material damages caused by the use of chemicals.

2. HANDLING



Check the weight and the dimensions of the equipment

(refer to 'Technical features' section of the instruction manual

If weight and dimensions are too important, the unloading must be carried out by means of a forklift or any other appropriate means with a qualified personnel and in a clear horizontal area to prevent from risks of damage injury or an accident.

The centre of gravity is not in the centre of the machine : carry out by hand a stability-test after having lifted the whole at 10 cm / 3.937" maximum.

After the unloading, the handling of the whole (eg: elevator pump) is carried out by means of a pallet truck taking the bottom part of the frame.

Remark : Each pump motor is fitted with a ring. The ring is designed for the hoisting of one pump and can not be used for the handling of the complete machine.

3. STORING

Storing before installation :

- Storing ambient temperature : 0 / +50 °C / 0 / +122°F
- Protect the whole against dust, water trickling, dampness and shocks.

Storing after installation :

- Operating temperature : +15 / +35 °C / +59 / +138.2° F
- Protect the whole against dust, water trickling, dampness and shocks.

4. INSTALLATION OF THE EQUIPMENT

The machine is installed on a stable horizontal floor (for eg a concrete flag).



To avoid risks caused by static electricity, the equipment as well as its components must be grounded.

- **For the pumping equipments** (pumps, pneumatic rams, frame...), a section wire of 2.5 mm² is fixed on the material. Use this wire to connect the material to "the general ground". In case of severe environments (mechanical protection of the wire of earthing insufficient, vibrations, mobile material...) where function damages at the ground are probable, the user have to replace the provided wire of 2.5 mm² by a device more adapted to its environment (wire with a more important section, bonding strip, fixing by thimble with eyelet...),

The continuity of the ground must be controlled by a qualified electrician. If the continuity of the ground is not ensured, check the terminal, the wire and the earthing point. **Never** use the material without have solved this problem.

- In the severe cases of environments (mechanical protection of the wire of earthing insufficient, vibrations, mobile material...) where damages of the function put at the ground are probable, the user will have to replace the wire of 2.5 mm² provided, by a device more adapted to its environment (wire of more important section, bonding strip, fixing by thimble with eyelet...),
- **The gun** must be 'grounded' via a material hose or an air hose. In case of spraying by means of a gun with cup, the air hose must be conductive,
- **The materials to be painted** must also be grounded.

All the materials situated in the working area shall be grounded.

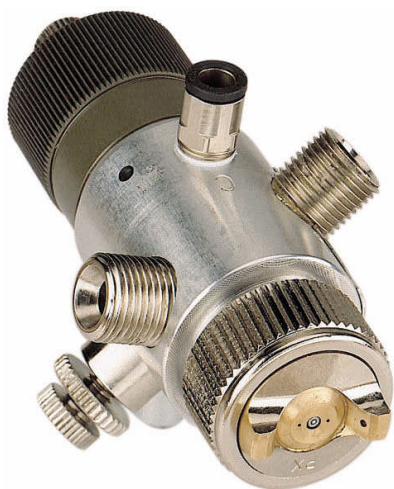


- **Never store** more than necessary inflammable materials inside the working area,
- The materials must be stored into **approved drums** and grounded,
- Use only grounded **metals containers** for the use of cleaning solvents,
- **Cardboard and paper are prohibited.**

5. MARKING OF THE EQUIPMENT

Each equipment has a marking plate.

The plate consists of the name of the manufacturer, the equipment part number and important information for correct use of the equipment (air pressure, electric power,...).



AUTOMATIC AIRSPRAY GUN

A 3

Disassembly / Reassembly

TRANSLATION FROM THE ORIGINAL MANUAL

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

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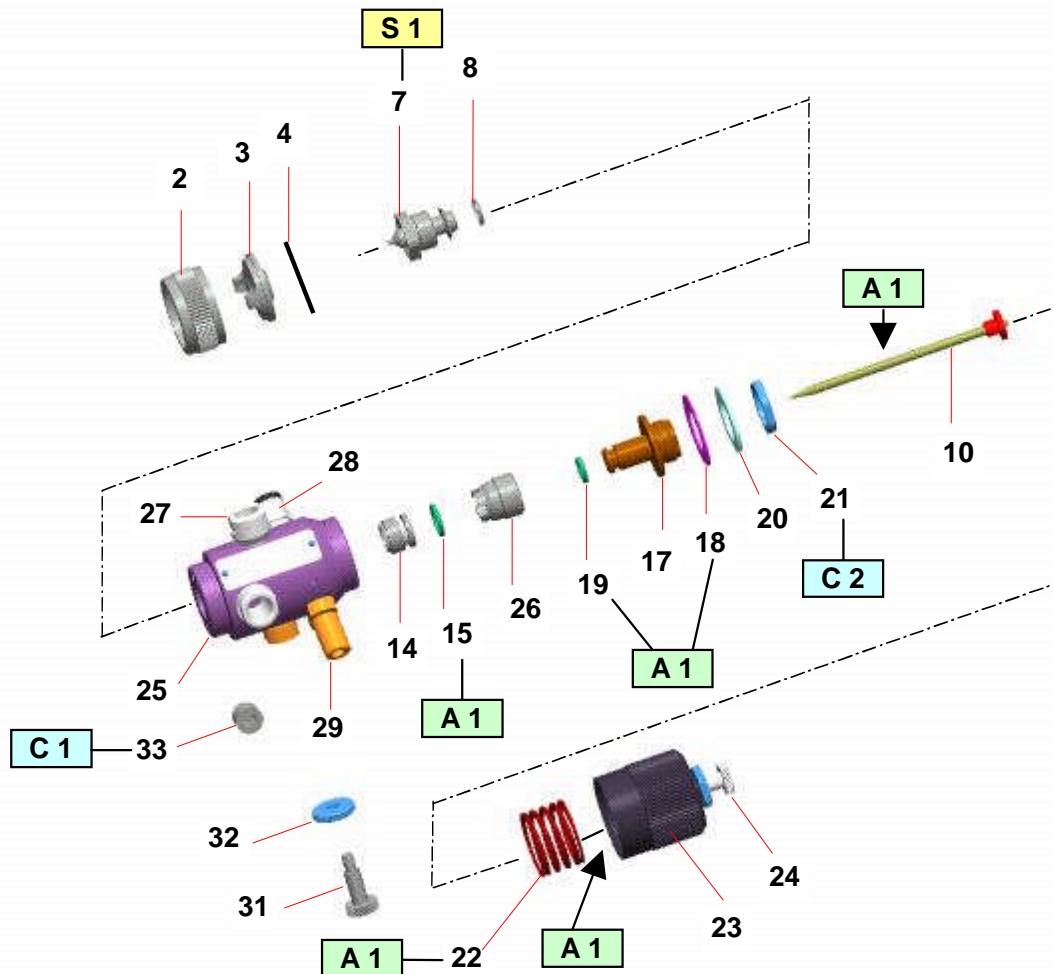
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CAUTION :

Before any intervention on the gun, shut off the compressed air supply and depressurize the circuits controlling the opening of the gun.

The gun is manufactured under the ATEX agreement and can not be modified. KREMLIN REXSON will not be held responsible for any failure to comply with that instruction.



Ind.	Instructions	Description	Part number
A 1	PTFE grease	"TECHNILUB" grease (10 ml)	560.440.101
C 1	Medium strength - Aneorobic Pipe Sealant	Loctite 577	-
C 2	Low strength - Aneorobic Adhesive - Loctite 222	Glue bottle (50 ml)	554.180.010
S 1	Screwing torque : 18 Nm / 13.28 ft/lbf		

Before removing a component of the gun, some precautions have to be respected :

- Empty out the paint inside the cup or the receiver.
- Fill the cup or the receiver with cleaning solvent.
- Decrease the supply air pressure of the gun.
- Spray the solvent until it runs clear.
- Shut off the supply air pressure of the gun.
- Shut off the material pressure.
- Trigger the gun to depressurize the circuit.
- Empty out the solvent when using a gravity cup.
- Remove the part to be cleaned or changed.

Before reassembling the different components, some precautions must be taken :

- **Clean all the parts with the appropriate cleaning solvent and a brush.**
- **Install new seals if it is necessary after having lubricated them with PTFE grease.**
- **Install new parts if it is necessary.**

■ PISTON PACKING (IND.18)

Unscrew cylinder (ind. 23) - (take care not to damage the spring ind. 22).

Take hold of the entire needle and piston assembly (ind. 10 and 16) and pull them towards the back.

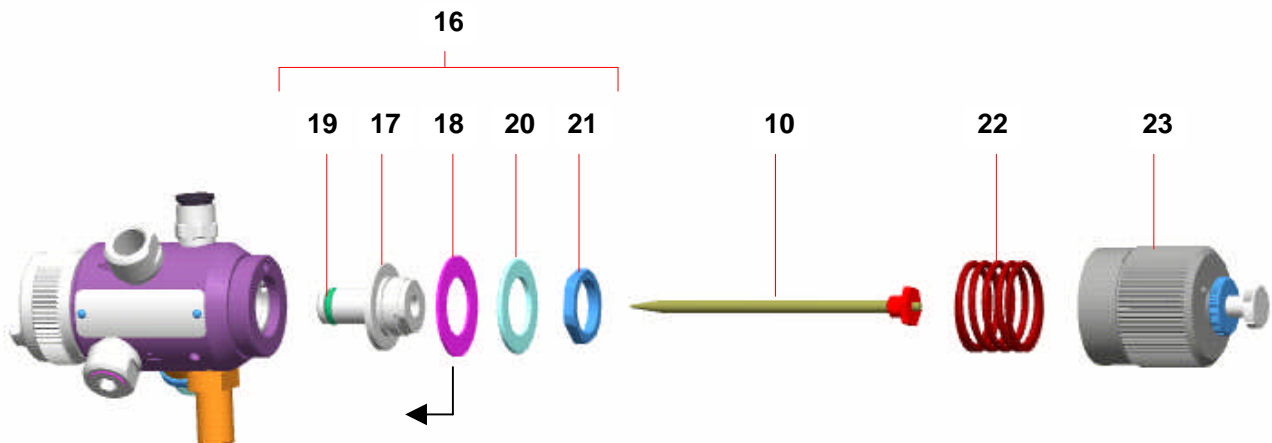
Unscrew nut (21). Remove support washer (20) as well as packing (18).

Clean the parts and change them if necessary.

When reinstalling :

Before inserting piston (17), the packing lip (18) must be shaped by hand as shown opposite.

Glue nut (21) on piston (17) with Low strength - Aneorobic Adhesive - Loctite 222. Change seal (19).



■ **PACKING HOLDER (IND.13)**

Unscrew cylinder (ind. 23) - (take care not to damage the spring ind. 22).

Take hold of the entire needle and piston assembly (ind. 10 and 16) and pull them towards the back.

Unscrew sleeve (ind. 26).

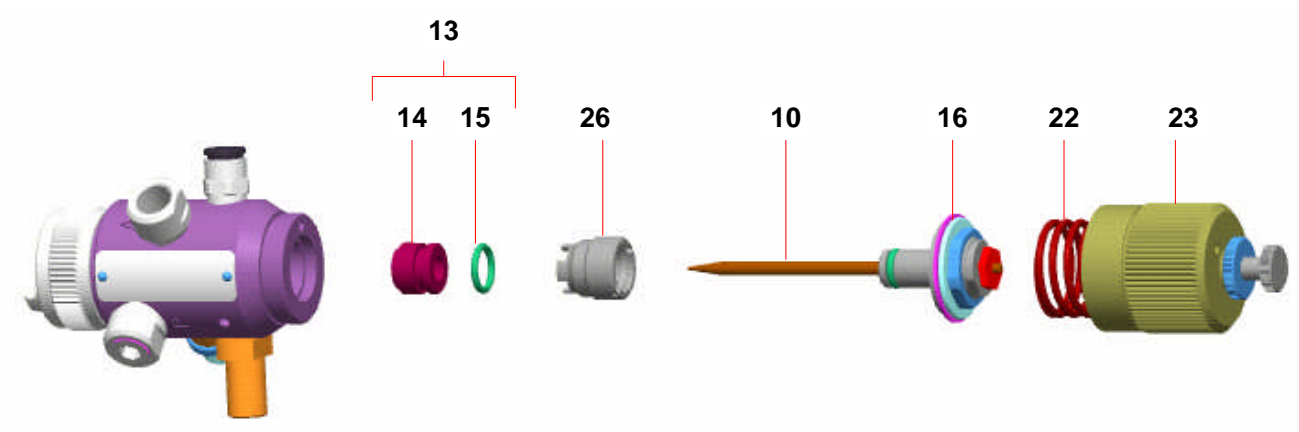
Remove the packing holder (ind. 13) by the rear part of the spray gun.

Clean the inside of the spray gun with solvent and blow out with air.

Change packing holder (13).

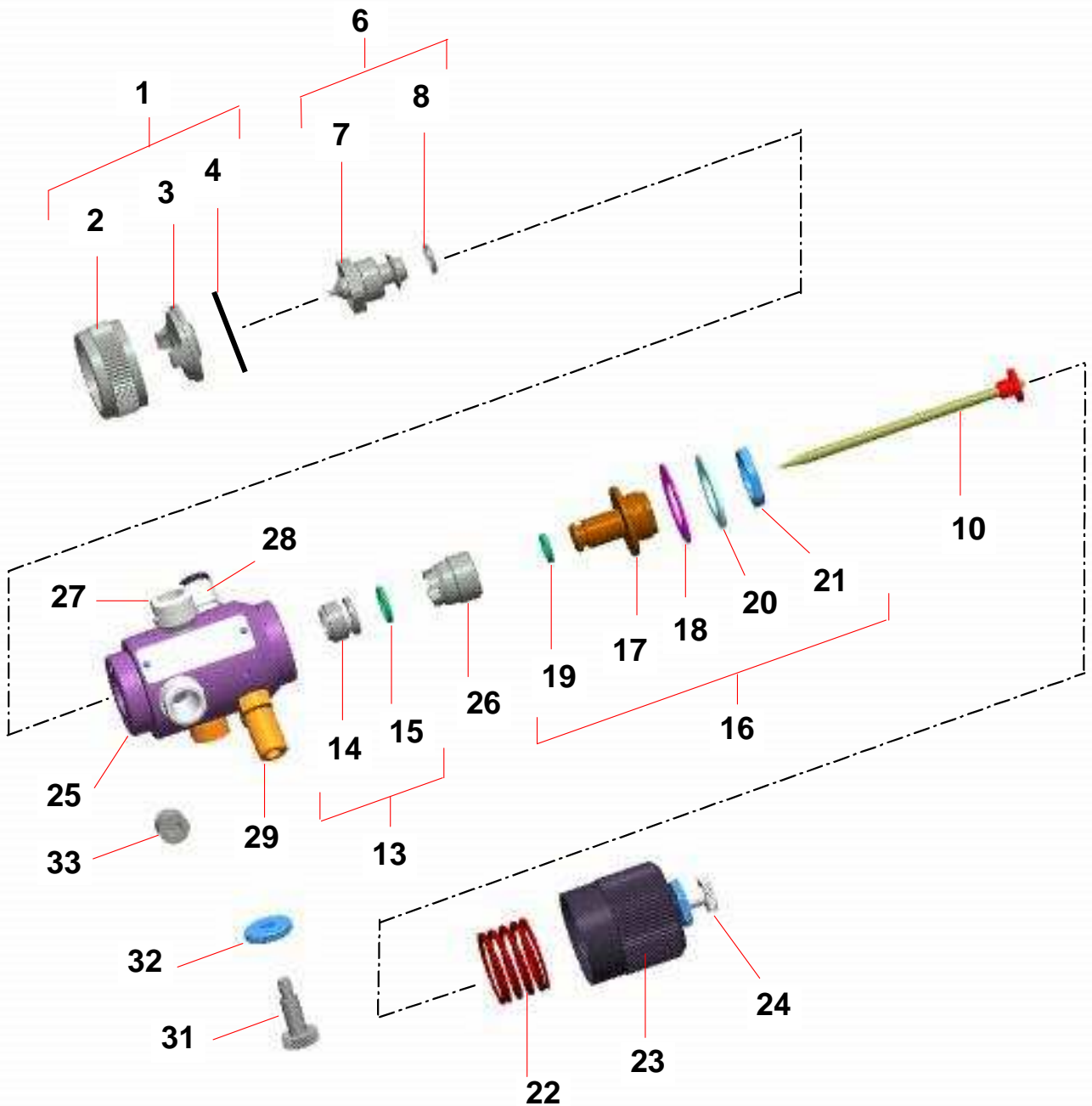
When reinstalling, drive packing holder by pushing it inside the body until it comes into contact with the body.

Replace all the parts and change the seals.



<p>Doc. 573.294.050 Date/Datum/Fecha : 07/07/14 Annule/Cancela/ Ersetzt/Anula : 11/03/05</p>	<p>Modif. / Änderung : Mise à jour / Update / Aktualisierung / Actualización</p>	<p>Pièces de rechange Spare parts list Ersatzteilliste Piezas de repuesto</p>
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<p>PISTOLET AUTOMATIQUE A 3</p>	<p>A 3 AUTOMATIC SPRAY GUN</p>
<p>AUTOMATIKPISTOLE A 3</p>	<p>PISTOLA AUTOMÁTICA A 3</p>



A 3	Modèle standard / standard model Modell standard / Tipo estandard
+ 08 PX	135.713.014
+ 10 PX	135.713.011
+ 12 PX	135.713.012
+ 06 GL	135.713.017
+10 GL	135.713.015

Projecteur / Projector Zerstäubereinheiten / Proyector	Tête / Aircap Luftkappe / Cabezal	Buse / Nozzle Düse / Boquilla	Pointeau / Needle Nadel / Aguja
--	--------------------------------------	----------------------------------	------------------------------------

Ind. 1+7+11	#	Ind. 1	#	Ind. 7	Ø (mm / ")	#	Ind. 11	#
08 PX	031.713.014	PX	132.631.100	08	0,8 / 0.03	134.630.400	08	033.713.400
10 PX	031.713.011	PX	132.631.100	10	1,0 / 0.039	134.630.100	10	033.713.000
12 PX	031.713.012	PX	132.631.100	12	1,2 / 0.047	134.630.200	12	033.713.100
06 GL	031.713.017	PL	132.640.100	06L	0,6 / 0.024	134.640.300	04 GL	033.713.500
10 GL	031.713.015	PL	132.640.100	10L	1,0 / 0.039	134.640.100	10 GL	033.713.300

A 3 : modèle standard - standard model - Modell standard - tipo estandard

PIECES DE RECHANGE - PARTS IDENTIFICATION LIST - ERSATZTEILLISTE - PIEZAS DE REPUESTO

Ind	#	Désignation	Description	Bezeichnung	Denominación	Qté
*1	-	Tête complète (voir tableau)	Aircap assembly (refer to chart)	Zerstäuberkopf kpl. (siehe Tabelle)	Cabezal completo (consultar cuadro)	1
2	029 630 004	• Bague de tête	• Aircap ring	• Überwurfring	• Anillo del cabezal	1
3	NC / NS	• Tête nue	• Aircap only	• Zerstäuberkopf	• Cabezal solo	1
4	032 630 102	• Anneau de retenue	• Stop ring	• Sicherungsring	• Anillo de retención	1
*6	-	Buse équipée (voir tableau)	Nozzle assembly (refer to chart)	Düse kpl. (siehe Tabelle)	Boquilla equipada (consultar cuadro)	1
7	NC / NS	• Buse	• Nozzle	• Düse	• Boquilla	1
8	134 639 901	• Joint de buse (les 5)	• Seal, nozzle (pack of 5)	• O-Ring, Düse (5 St.)	• Junta de boquilla (x 5)	1
*10	-	Pointeau complet (voir tableau)	Needle assembly (refer to chart)	Farbnadel kpl. (siehe Tabelle)	Aguja completa (consultar cuadro)	1

Ind	#	Désignation	Description	Bezeichnung	Denominación	Qté
*13	129 479 902	Porte-garniture équipé (les 4)	Packing-holder assembly (pack of 4)	Packungshalter (4 St.)	Porta-garnición equipada (bolsa de 4)	1
14	NC / NS	• Porte-garniture	• Packing	• Nadelpackung	• Porta-garnición	1
15	129 529 906	• Joint (les 10)	• O-Ring (x 10)	• O-Ring (10 St.)	• Junta (x 10)	2
*16	029 712 200	Piston équipé	Piston assembly	Kolben, kpl.	Pistón equipado	1
17	NC / NS	• Piston seul	• Piston only	• Kolben, einzeln	• Pistón solo	1
18	029 711 302	• Garniture	• Packing, piston	• Kolbenmanschette	• Garnición del pistón	1
19	129 400 915	• Joint R5A en FPM (élastomères fluorés) (les 10)	• Seal, R5A FPM (fluorous elastomers) (pack of 10)	• O-Ring R 5A FPM (Elastomer aus Fluor) (10 St.)	• Junta R5A, FPM (elastómeros fluorados) (Bolsa de 10)	1
20	029 711 303	• Rondelle d'appui	• Support washer	• Stützscheibe	• Arandela de apoyo	1
21	029 711 304	• Erou	• Nut	• Mutter	• Tuerca	1
*22	050 312 501	Ressort de piston	Spring, piston	Feder für Kolben	Muelle de pistón	1
23	029 711 400	Cylindre équipé	Cylinder assembly	Luftzylinder, kpl.	Cilindro equipado	1
24	129 713 015	• Butée de pointeau	• Adjustment knob	• Nadelanschlag	• Tope de aguja	1
25	NC / NS	Corps équipé	Body assembly	Pistolenkörper	Cuerpo	1
26	029 410 003	• Fourreau	• Sleeve	• Nadelführung	• Vaina	1
27	029 713 002	• Raccord M 12x100 - F 1/8 NPS	• Fitting M 12x100 - F 1/8 NPS	• Anschluss M 12x1,00 - IG 1/8 NPS	• Racor M 12x100 - H 1/8 NPS	3
28	905 124 901	• Raccord M 1/8 BSP - T 4x6 (air de commande)	• Fitting M 1/8 BSP - T 4x6 (control air)	• Anschluss für Steuerluft AG 1/8 BSP - Schlauch 4x6	• Racor M 1/8 BSP - T 4x6 (air de commande)	1
29	029 711 102	• Axe de fixation	• Pin, gun mounting	• Achse	• Eje	1
31	029 711 001	Vis pointeau	Fan adjustment	Schraube für Farbnadel	Regulador abanico	1
32	029 711 002	Contre-écrou	Lock nut	Gegenmutter	Contra tuerca	1
33	906 333 108	Bouchon F 1/8 NPT (pour montage sans circulation)	Circulation cap F 1/8 NPT	Stopfen IG 1/8 NPT (für Montage ohne Zirkulation)	Tapón H 1/8 NPT (montaje sin circulación)	1
-	050 102 656	Raccord M 1/8 NPT - M 1/4 NPS (produit et air de pulvérisation)	Fitting, double male, 1/8 NPT - 1/4 NPS	Doppelnippel AG 1/8 NPT - AG 1/4 NPS (Material und Zerstäuberluft)	Racor M 1/8 NPT - M 1/4 NPS	3

* Pièces de maintenance préconisées.

* Preceding the index number denotes a suggested spare part.

* Bezeichnete Teile sind empfohlene Ersatzteile.

* Piezas de mantenimiento preventivas.

N C : Non commercialisé.

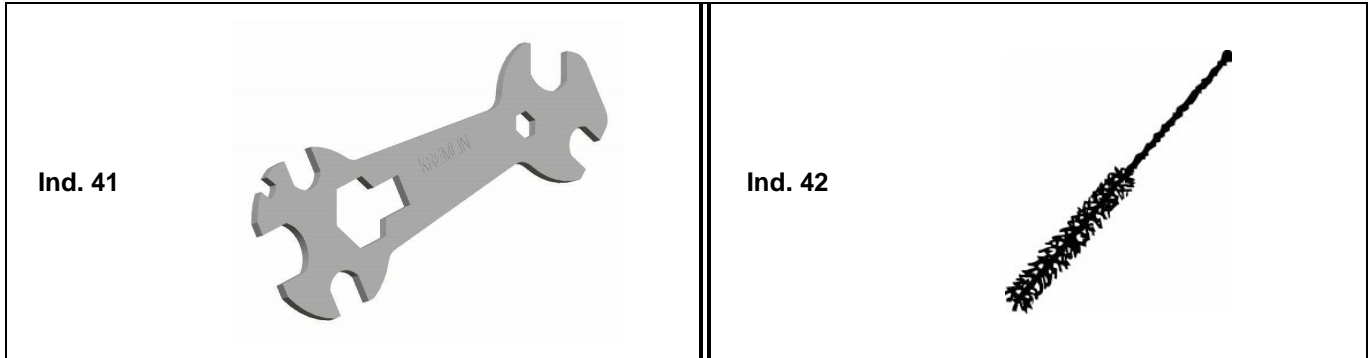
N S : Denotes parts are not serviceable.

N S : Bezeichnete Teile gibt es nicht einzeln, sondern nur komplett.

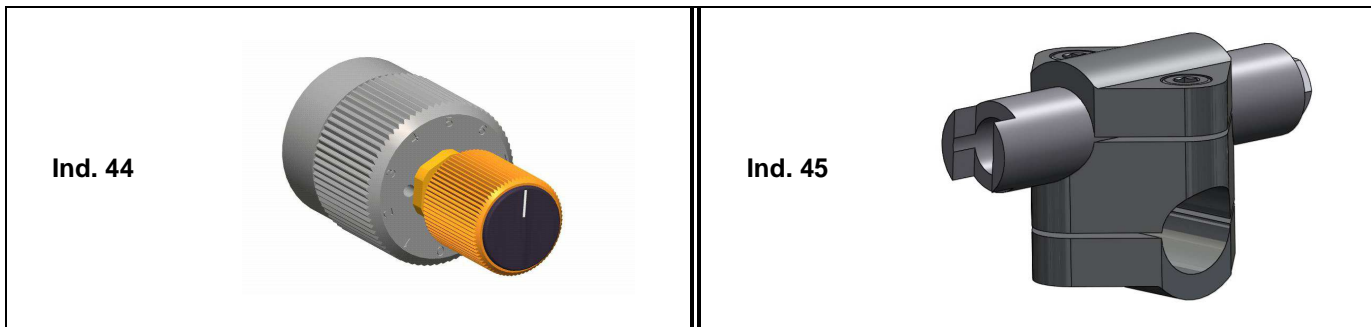
N S : no suministrado.

ACCESSOIRES - ACCESSORIES - ZUBEHÖR - ACCESORIOS

Ind	#	Désignation	Description	Bezeichnung	Denominación	Qté
41	049 030 021	Clé plate	Gun wrench	Pistolenschlüssel	Llave para pistola	1
42	906 300 102	Goupillon PM	Small size brush	Pistolenreinigungsbürste	Cepillo pequeño	1



A LA DEMANDE - ON REQUEST - AUF ANFRAGE - A PETICIÓN



Ind	#	Désignation	Description	Bezeichnung	Denominación	Qté
44	129 713 050	Kit de réglage indexé au pointeau	Indexed needle adjust kit	Indexiertes Nadeleinstellset	Kit de regulación indexado para el botón aguja	1
45	049 351 200	Support de fixation pour pistolet (∅ 16 mm - long. 70 mm)	Gun mounting support (diameter : 16mm / 5/8" - length : 70mm / 2-3/4")	Pistolhalterung (∅ 16 - Länge 70 mm)	Soporte de fijación para pistola (∅ 16 mm - 70 mm de largo)	1
-	905 160 105	Coude M 1/8 NPT - M 1/2 JIC (arrivée produit)	Elbow M 1/8 NPT - M 1/2 JIC (fluid inlet)	Winkelnippel AG 1/8 NPT - AG 1/2 JIC (Materialeingang)	Codo M 1/8 NPT - M 1/2 JIC (entrada de producto)	1



AUTOMATIC AIRSPRAY GUN

PREVENTIVE MAINTENANCE

TRANSLATION FROM 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.

KREMLIN - REXSON

150, avenue de Stalingrad

93 245 - STAINS CEDEX – France

☎ : 33 (0)1 49 40 25 25 **Fax** : 33 (0)1 48 26 07 16

www.kremlin-rexson.com

The gun is a precision instrument and it relies on good and frequent maintenance for its correct operation. If stopped for a long time, lubricate all movable parts, axes and springs with grease.

Never use metal brushes files, points or clips for dismantling.

▪ **SHORT DURATION SHUTDOWN**

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 DURATION SHUTDOWN**

Shut off the gun fluid and air supply.

Depressurize the hoses by triggering the gun or by controlling the gun opening.

Unscrew the air cap. Remove the needle and then remove the fluid nozzle with the wrench provided. Soak the needle, aircap, fluid nozzle in solvent and brush them carefully, as they are precision parts.

With a brush soaked in solvent, clean the internal parts of the gun. Wash carefully brush the threaded parts.

Flush the gun.

Do not soak the gun in solvent



AUTOMATIC AIRSPRAY GUN

TROUBLESHOOTING GUIDE

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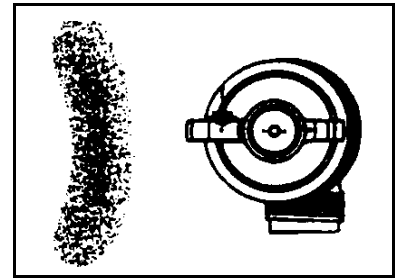
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▪ **DISTORTED SPRAY**

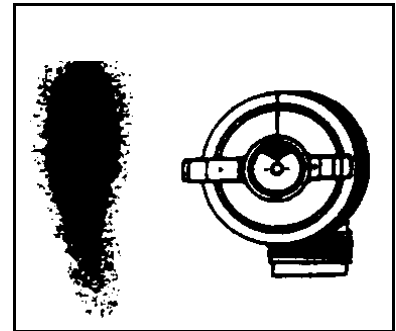
Slightly unscrew the aircap retaining ring and rotate the aircap by one half turn. If the defect is reversed, one of the lateral air holes is plugged up or deformed. Clean the gun aircap with solvent and unclog the air holes with a compressed air. If the defect is not reversed, it means that the fluid nozzle is damaged.



▪ **DISPLACED SPRAY**

This comes from a defect in the central fan. Clean the aircap and the fluid nozzle. Make sure that :

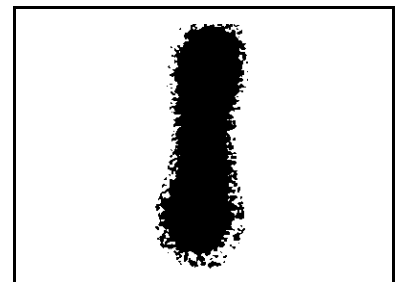
- the aircap is correctly centered on the nozzle,
- the nozzle is not too big for the needle,
- when work is done with a large needle opening and the needle almost closed, the spray pattern is not even in all directions.



▪ **FRAGMENTED PATTERN**

The fan air pressure is too big at the holes in the air cap horns :

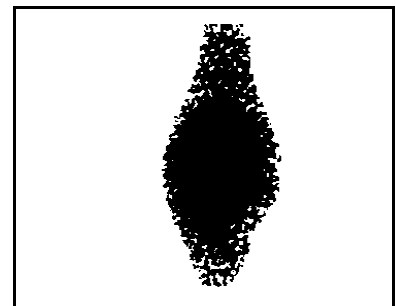
- turn the fan air control clockwise to reduce the fan air pressure.
- increase the paint output.



▪ **FAN TOO THICK IN THE CENTER**

This is the reverse of the above defect :

- the paint output is too high for the selected air pressure :
increase the spraying air pressure and reduce the paint output.
- if the paint is too thick, dilute it.



▪ **INTERMITTANT SPRAY PATTERN**

An air inlet in the paint circuit creates an intermittant pattern when :

- the paint cup is nearly empty,
- when the nozzle is not tightened on its seat : clamp it.

If the problem persists, remove the nozzle and clean it. Check that the seat and the cone are not damaged, remount the nozzle and clamp it.

When using a cup, air can get into the paint circuit :

through the passage seal of the needle into the gun body ⇒ tighten it.

through various fittings between the gun and the cup if these are not correctly tightened.

Check that : the cup cover air hole is not blocked and the paint is homogeneous and fluid enough (use the viscosity cup).

PROBLEM	CAUSE	SOLUTION
No fluid out of the gun	Tip is blocked	Relieve pressure on pump. Carefully remove spray tip and filter. Take care with residual pressure in the hoses.
Pattern width narrows during reversing phase of pump	Air trapped in the fluid circuit	Check connections and suction hose quality.
	Viscosity too high	Reduce viscosity.
Aircap becomes dirty frequently	Too much air	Reduce air pressure.
	Leak from fluid packing (or cartridge)	Replace packing or cartridge.
Fluid seeping from the air holes of the aircap	Defective tip seal	Replace it.
	Tip loose	Tighten it.
Fluid leak	Impurities in the paint	Trigger the gun 3 or 4 times.
	Needle worn	Remove the needle and the nozzle.
	Cartridge or packing worn	Replace.



AUTOMATIC AIRSPRAY GUN

OPERATING, CONTROL AND HANDLING

TRANSLATION FROM THE ORIGINAL MANUAL

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1. OPERATING



Safety instructions :

- Never try to stop the spray fan with any part of the body (hands, fingers...) or with rags. Never point the spray gun at anyone or at any part of the body.
- The operator will need medical attention if the high pressure material spray is in contact with the the body (eyes, fingers...).
- **Always lock the gun trigger with the safety device when not operating the gun.**
- **Always depressurize air and hoses** before carrying out any servicing on the gun.



In order to protect the operator, protective clothing (gloves, respirator mask, glasses, hearing protective earplug, clothes...) are required.
Use the equipment in a properly ventilated area.

Unscrew the needle adjustment knob at the back of the gun.

Unscrew the air adjuster (s) located on the base or on the gun.

Select the desired projector (aircap + nozzle + needle) best suited for the job at hand.

Screw on the nozzle, then the aircap to the gun.

Before tightening up firmly the aircap ring, position the aircap for the best spray. The fan is vertical when the 2 ears of the aircap are horizontal.

➡ **We advice you to put the gun in the "OPEN" position to prevent any damage to the needle while fitting the nozzle.**

2. CONTROL

This professional spray gun features 3 controls :

■ THE AIR PRESSURE

- Supply the air of the network (clean air - maximum pressure : 6 bar / 87 psi) to the gun.
- Control the gun opening (air pressure > 3 bar / 43.5 psi).
- Adjust the air pressure upstream of the gun to obtain a correct spraying.

■ THE FAN WIDTH

Can be adjusted by using the knurled knob. It controls the air going to the horns on the aircap. In this way, the air is controlled through the fanned air outlets and allows the fan to change from flat (wide open) to round (closed).

■ THE FLUID OUTPUT

Having selected the proper fluid nozzle / needle assembly and the fluid pressure, it is possible to further control the output by changing the travel of the needle (needle stop knob) in case of fluid supply.

Optimal set-up is usually obtained when the product needle is completely open. When this needle is nearly closed, a regular flow of product can not be guaranteed.

3. GUN HANDLING

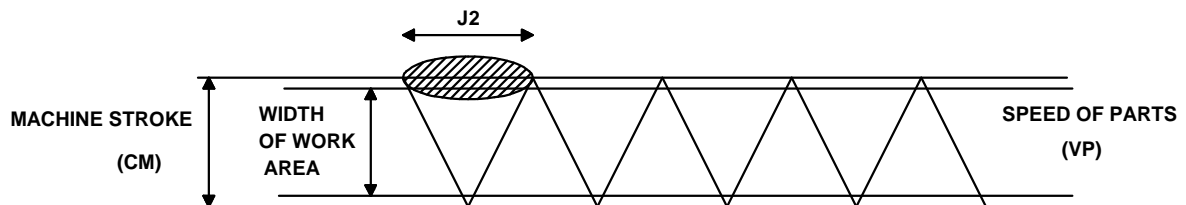
When mounting the aircap on the gun, hold it vertically in order to correctly adjust the aircap before screwing the aircap ring.

Keep the gun perpendicular to the surface to be painted. Avoid working with the wrist.

Do not forget that crossed sweeps cannot correct irregularities.

Spraying from a stationary gun will not give even coverage.

Make sure that overlapping from the passes is even (gun moving vertically, part moving horizontally).



This width J2 for 2 regular coats of paint corresponds exactly to the following formula :

$$J \ 2 \ (m) = VP \ (m/s) \times 2 \ \frac{CM \ (m)}{VM \ (m/s)}$$

Where :

VP = speed of travel of the parts to be painted.

CM = total stroke of the machine (and therefore of the spray guns).

VM = speed of the machine (and therefore of the spray guns).

2 = 2 regular coats of paint (or 4 if you want to double the number of coats).



AUTOMATIC AIRSPRAY GUN

A 3

TECHNICAL FEATURES

TRANSLATION FROM THE ORIGINAL MANUAL

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1. DESCRIPTION

The A 3 spray gun is designed for applying paints and adhesives in automatic installations. It can be fitted on fixed supports, automatic machines or on robots.

It is a miniature spray guns for fine works. It enables to obtain narrow and light spray fan patterns. When using the correct projector, it allows the spraying of lines. It is an air bleedind spray gun. It is fitted with 2 fluid inlets.

2. TECHNICAL FEATURES

Atomizing air pressure	From 3 to 6 bar / from 43.5 to 87 psi
Control air pressure	3 bar / 43.5 psi mini
Fluid pressure	6 bar / 87 psi maxi
Fluid flow rate	Dependent upon type of nozzle (180 to 450 cm ³ /min)
Air consumption	20 m ³ /h maxi
Operating temperature	50°C / 117° F maxi
Weight	320 g / 70.5 lb
Materials in contact with the product	Aluminium - Stainless steel - Treated stainless steel

▪ FITTINGS

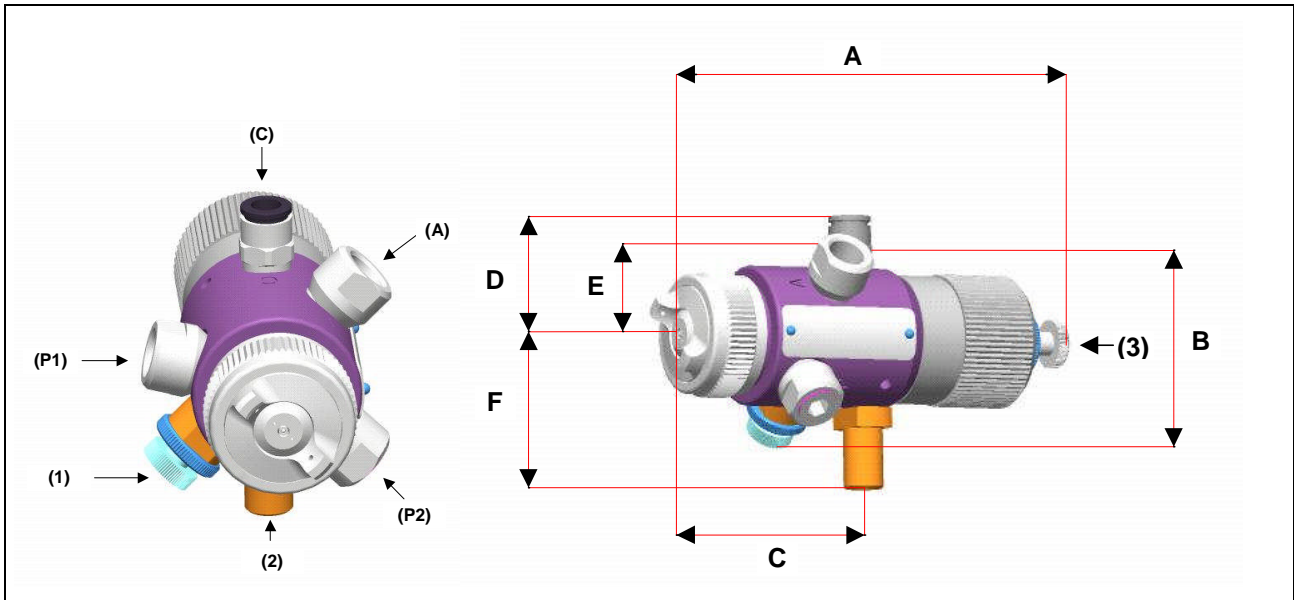
Indexes	Spray gun	Spray gun assembly
Fluid (P 1)	F 1/8 BSP	M 1/8 NPT - M 1/4 NPS
Fluid (P 2)		M 1/8 NPT - M 1/4 NPS or plug
Control air (C)	Fitting for hose 4x6	-
Atomizing air (A)	F 1/8 NPS	M 1/8 NPT - M 1/4 NPS

(1)	Fan adjustment	→ Fan air control
(2)	Gun mounting pin	support : rod Ø 16 / 5/8", length 70 mm / 2.8"
(3)	Adjustment knob	→ Fluid flow rate control

▪ **DIMENSIONS**

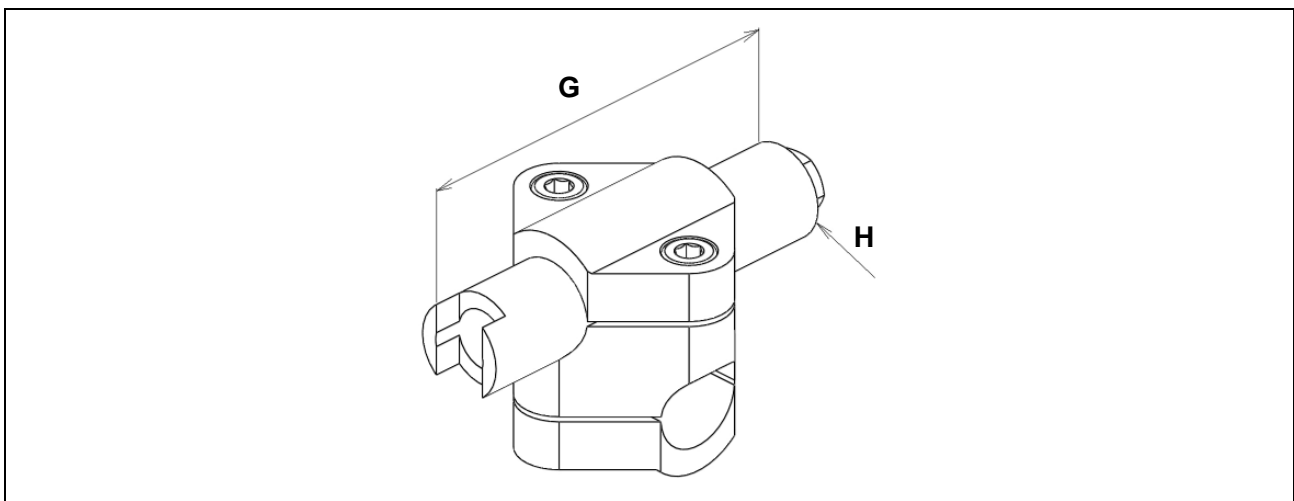
Gun dimensions

Ind.	A	B	C	D	E	F
mm	113	65	57	38	31	38
"	5.2	2.5	2.2	1.5	1.2	2.2



Gun mounting support dimensions

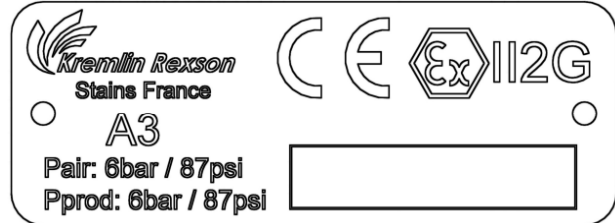
Ind.	G	H
mm	70	Ø 16
"	2.7	5/8



3. INSTALLATION

- DESCRIPTION OF THE LABEL MARKING

Label marking
Marking in accordance with the ATEX Directive



KREMLIN REXSON STAINS FRANCE	Name and address of the manufacturer
A 3	Gun model
CE Ex II 2 G	II : group II 2 : class 2 Surface equipment meant to area where explosive atmospheres due to gas, vapours, mists are liable to appear from time to time in usual operating. G : gas
P air : 6 bar / 87 psi	Gun air supply maximum pressure
P prod : 6 bar / 87 psi	Maximum fluid pressure at the gun inlet
-	Number given by KREMLIN REXSON. The two first numbers indicate the manufacturing year.