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**FSTART Gravity**

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135756115 Gun FStart G HVLP-15-Mva  
135756118 Gun FStart G HVLP-18-Mva  
135756122 Gun FStart G HVLP-22-Mva

135756215 Gun FStart G CONV-15-Lva  
135756218 Gun FStart G CONV-18-Lva  
135756222 Gun FStart G CONV-22-Lva



II 2G Ex h IIB T6 X Gb

**Translation from the original manual - Index A**  
582119110

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## 2 Safety




<b>Prerequisite</b>	<ul style="list-style-type: none"> <li>•  The present equipment is for professional use only. It must be used only for its intended purpose.</li> <li>• Read the specified recommendations carefully:             <ul style="list-style-type: none"> <li>- In the technical manuals of the equipment concerned.</li> <li>- On device labels.</li> </ul> </li> <li>• Misuse or improper operation can cause serious injury.</li> </ul>
<b>Operator training and certification</b>	<ul style="list-style-type: none"> <li>• Personnel using this equipment must be trained in its use.</li> <li>• The workshop manager must ensure that the operators fully understand all instructions and safety rules for this equipment and the other components and accessories of the installation. Furthermore, only authorized personnel should be allowed to carry out production and maintenance operations on the equipment.</li> </ul>
<b>Operators safety</b>	<ul style="list-style-type: none"> <li>•  These parts of PPE (Personal Protective Equipment) are mandatory due to the risk of this process.</li> <li>• Avoid abnormal postures and maintain a stable position in order to keep your balance at all times, to better control the equipment in the event of an unexpected event.</li> <li>• Make sure that the workstation is neat and clean. Scattered or piled up parts and tools are a source of an accident.</li> </ul>
<b>Products, paints</b>	<ul style="list-style-type: none"> <li>•  It is forbidden to use material containing high concentrations of halogenated hydrocarbon solvents with aluminium or zinc fillers.</li> <li>• Non-compliance with the instructions may cause explosion risk causing serious or fatal injury.</li> <li>• The user shall identify and prevent potential hazards inherent in the fluids used, such as fire or explosion hazards, and toxicity hazards with serious injuries through contact with the body, in the eyes, under the skin, or through ingestion or inhalation.</li> <li>• With regard to the fluids and paints used with its equipment, SAMES KREMLIN cannot be held responsible for direct or indirect material damage caused in use, for the poor compatibility of the materials in contact, for the inherent risks to personnel and the environment, for wear and tear, for malfunctions of the equipment or installations and for the quality of the finished product.</li> </ul>

<p><b>Ventilation</b></p>	<ul style="list-style-type: none"> <li>  It is imperative that the spray booths are properly ventilated to prevent any high concentration of fluid or paint and maintain it lower than the LEL (Lower Explosion Limit).         </li> <li>If ventilation is shut off, toxic substances or contamination may remain in the spray booth and cause a risk of fire, poisoning or irritation.</li> </ul>
<p><b>Toxicity</b></p>	<ul style="list-style-type: none"> <li>  Depending on the fluid used, toxic and/or flammable vapors may form.         </li> <li>There is a danger of intoxication and burning due to the concentration of these vapors.</li> </ul>
<p><b>Risk Fire, explosion, electric arc</b></p>	<ul style="list-style-type: none"> <li>  Applicable laws and regulations regarding safety, fire and electricity in the country where the equipment is used must be complied with.         </li> <li>The gun must be used in the areas for which it has been validated. Refer to the ATEX section of the document.</li> </ul>


## Grounding



- In order to prevent the accumulation of electrostatic charges which could generate an electric arc in a flammable or explosive environment, it is necessary that all conductive components of the system are grounded.
- The gun must be 'grounded' via the fluid hose or the air hose.
- The equipment to be painted must also be "grounded" by means of clamps fitted with cables or, if suspended, by means of hooks which must be kept clean at all times.
- Follow the shutdown procedure and always depressurize air and fluid circuits before carrying out any servicing on the gun (cleaning, checking, maintenance of the fluid or cleaning of the gun nozzles)
- This gun is a precision tool. Its proper operation requires frequent and careful maintenance.
- If it is carried out immediately after work, cleaning is easier and quicker.
- Never use wire brushes, files or pliers for disassembly.
- Before cleaning or disassembling any component of the equipment, it is imperative:
  - to stop the pump by cutting off the compressed air supply,
  - to decompress the hoses by pulling the trigger.
- Never store more than necessary inflammable materials inside the working area
- The materials must be stored in approved drums and grounded.
- Use only grounded metals containers for cleaning solvents.
- Cardboard and paper are prohibited.
- The tanks of fluids and cleaners must be grounded via a grounding cable, either by means of clamps or some other means of attachment.
- The parts to be painted are hung or placed by means of hooks or supports which are grounded and kept clean at all times, in order to always guarantee good conductivity to ground.
- All insulation (cardboard, paper, plastic materials) must be kept to a minimum in the work area.
- The ground continuity must be checked by a qualified technician.
- Never operate the equipment without ensuring that all the above safety requirements are met.

<p><b>Pressure</b></p>	<ul style="list-style-type: none"> <li> The use of pressurized air and fluids (paints or solvents) presents risks for the user and the equipment.</li> <li>Never exceed the maximum working pressures of the equipment, components and accessories.</li> <li>For all cleaning, inspection and maintenance operations on the equipment, it is imperative to follow the procedures for decompression, shutdown, locking of any residual pressure, elimination of residual static electricity charges and purging of fluids.</li> </ul>
<p><b>Surfaces, edges, corners</b></p>	<ul style="list-style-type: none"> <li> Some component surfaces may be hot during operation. Skin contact with hot surfaces causes severe skin burns.</li> <li> Handle open or sharp-edged components with care. Wear protective gloves.</li> </ul>
<p><b>Equipment modification</b></p>	<ul style="list-style-type: none"> <li>Under no circumstances should this equipment be modified or used for purposes not intended.</li> <li>Parts and accessories must only be supplied or approved by SAMES KREMLIN.</li> <li>SAMES KREMLIN cannot be held responsible for personal injury as well as breakdowns and/or damage resulting from modifications to the equipment.</li> <li>Any modification of equipment made by the user and not authorized by SAMES KREMLIN will result in loss of certification.</li> </ul>

## Environment

- Environmental risks must be controlled as follows:
  - Respect an average temperature of use of the equipment and products, which must be at least 5°C (41°F), lower than the flash point of the products and within a range of 0 to 40°C (32° to 104°F).
  - Ventilation of the area by forced extraction and supply of unpolluted air is mandatory during operation of the equipment and cleaning operations.
  - Fragile parts of the installation, especially the flexible hoses, must be protected from mechanical or thermal damage during production or maintenance.
  - Wastes related to the operation or dismantling of the equipment must be treated in accordance with the applicable laws.
  -  The noise level of our equipment is limited to a maximum. However, operators must be protected according to the overall noise level of the environment. Depending on the operating conditions, the sound volume of the equipment may cause hearing problems. Use hearing protection and take appropriate measures to reduce noise pollution.
  - Dispose of packaging materials in an appropriate and environmentally friendly manner.

### 3 Declaration

Refer to the declaration delivered with the equipment.




## 4 Identification of the product

### 4.1 Description of FSTART Gravity

Guns recommended to spray varnishes, lacquers, shades, polyurethanes.

### 4.2 Description of the ATEX marking

- Each device is marked with the name of the manufacturer, the reference of the device and important information for the use of the device (air pressure, electrical power, etc.).
- This equipment has been designed in accordance with the ATEX Directive 2014/34/EU and is intended for use in Zone 1.

SAMES KREMLIN FRANCE	Name and address of the manufacturer	
	 <b>CE</b> : European conformity:  for use in explosive area <b>II</b> : group II <b>2</b> : class 2 <b>G</b> : gas Surface equipment meant to an area where explosive atmospheres due to gas, vapours, mists are liable to appear from time to time in usual operating.	On the body
<b>Ex h IIB T6 X</b>	<b>Ex</b> : Marking of conformity with European standards <b>h</b> : Mode of protection for non-electrical device <b>IIB</b> : Gas group <b>T6</b> : Temperature class - Maximum surface temperature : 85°C / 185° F <b>X</b> : Special conditions that apply for a safe use. Refer to instructions listed in the instruction manuals accompanying your purchase.	
<b>Gb</b>	<b>Gb</b> : Equipment protection level (Gas zone1)	
<b>20xx</b>	Marking of the manufacturing year (with 4 characters)	
<b>FSTART Type xx</b>	Gun model	
<b>P air : 6 bar / 87 psi</b>	Gun air supply maximum pressure	



## 5 Technical data

	FSTART G CONV	FSTART G HVLP
Version	Gravity	
Maximum air supply pressure (network)	6 bar / 87 psi	
Fluid supply maximum pressure	6 bar / 87 psi	
Air flow rate	23,3m <sup>3</sup> /h	20,4m <sup>3</sup> /h
Air pressure at the gun handle	3 bar / 43.5 psi	2.2 bar / 31.9 psi
Weight with cup	548 g	546 g
Weight without cup	410 g	408 g
Noise level	84 dBA	80 dBA
Maximum ambient operating temperature	50°C / 122°F	

### 5.1 Materials FSTART Gravity

Gun body	Chrome die-cast aluminium
Head	clear anodised aluminium
Nozzle	INOX (stainless steel)
Needle	INOX (stainless steel)
Gravity cup	Plastic

### 5.2 Air and fluid connections

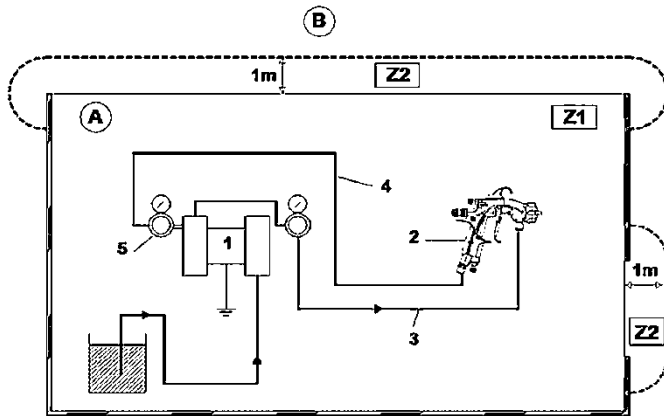
Gun	Fittings mounted on the gun (depending on model)	Air and fluid supply
Air	Fittings: M 1/4 NPS	Air hose (anti-static grounding) <b>HVLP:</b> minimum Ø 8 mm ID (for a 7.5 m / 24.6 ft length) <b>CONV:</b> minimum Ø 7 mm ID (for a 7.5m / 24.6 ft length)
Fluid	Gravity cup (0.6 liter)	Gravity cup (0.6 liter)

## 5.3 Nozzle characterization principle

Nozzle parameter	
Technology	Nozzle size
H: HVLP C: CONVENTIONAL	<ul style="list-style-type: none"> <li>• 15 : 1.5 mm</li> <li>• 18 : 1.8 mm</li> <li>• 22 : 2.2 mm</li> </ul>

## 6 Installation

### 6.1 General Installation Diagram



A- Explosive area Area 1 (Z1) or area 2 (Z2) : spraybooth	B - Non explosive area	1 - Pump	2 - Airspray gun	3 - Fluid product	4 - Antistatic air hose	5 - Air regulator
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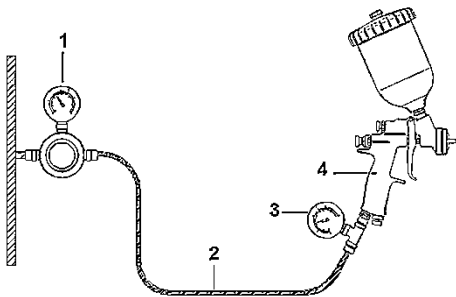
The 1 m / 39.37" distance indicated in the diagram is given for information/reference purposes only and implies no commitment by SAMES KREMLIN. The user is responsible for the ventilation and conditioning of the painting area where the equipment is used, under working conditions.

The 1 m / 39.37" distance may be modified if trials carried out by the user indicate this is necessary.

- Using the grounding air hose, connect the gun to an air regulator that can supply at least 3 bar / 43.5 psi.
- Using the fluid hose, connect the gun fluid fitting to the pump. Tighten the fittings firmly.

**Note:** *In some particular cases, if the air hose (4) is not conductive, the fluid hose (3) must be conductive. One of the 2 gun hoses (air or fluid) must be conductive.*

## 6.2 Installation Diagram - Air pressure adjustment with or without gauge at gun handle



3 - P 1: Pressure measured at gun grip in the course of operation (air needle open)	4 - Guns, model FSTART Gravity
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1 - P 0 : Air pressure (wall)	2 - Air hose
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## 7 Storage

Our equipment must be stored in its original packaging. In case of prolonged storage, it is preferable to carry out preventive maintenance for all lubricants before startup.


### **Storage before installation**

- Storage ambient temperature 0 / +50 °C (32° F / 122° F°).
- Protect the complete unit from dust/dirt, water/condensation, moisture, vibration and shock.
- Do not remove the packaging until just before assembly.

### **Storage after installation**

- Protect the unit from dust/dirt, water/condensation, moisture and shock.

## 8 Start-up

- Assemble the head on the gun by positioning it according to the desired spray orientation.
- Open at the maximum the air needle.
- Open the fluid needle as far as it will go  without a stop.
- Connect the air hose.
- Assemble the cup.
- Pull the trigger and check that the air is circulating normally.

## 9 Adjustment

This professional spray gun features 3 controls:

### ***Spraying fineness***

- Air is fed by the central air.
- The air is adjusted by means of the air regulator mounted upstream of the gun on the network and more precisely by means of the knob at the bottom of the gun handle on some manual guns.

### ***Fan width***

- Fan width is 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).

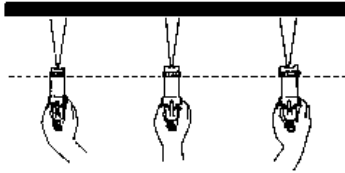
### ***Fluid output***

- 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 (using the needle stop knob).
- Optimal set-up is usually obtained when the fluid needle is completely open.
- When this needle is nearly closed, a constant flow of fluid cannot be guaranteed.

## 10 Gun handling

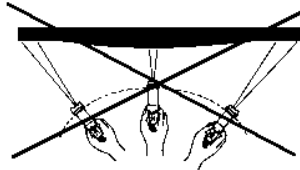
When assembling the aircap on the gun, hold it vertically in order to correctly align the aircap before screwing the aircap ring. Keep the gun perpendicular to the surface to be painted. Avoid working with the wrist.

### *Proper position*



- Do not forget that crossed sweeps cannot correct irregularities.
- Spraying from a stationary gun will not give you even coverage. Start the pass and trigger just before the leading edge. Release the trigger before the pass ends, just after the trailing edge of the object.
- Make sure that overlapping from the passes is even.

### *Improper position*



## 11 Maintenance

### 11.1 Preventive maintenance

#### *Daily*

- Check groundings.
- Clean the outside of the spray nozzle with a soft brush and solvent.
- Flush the spray gun.
- When the spraying system will not be used for an extended period of time, take off the nozzle and immerse it in a solvent-filled container.

#### *Weekly*

- Check leakage from the fittings.

#### *Monthly*

- Check hoses.
- Operate the valves.
- Remove the air valve, clean it if necessary. Grease it as well as the spring before assembling.
- Remove the needle as well as the rear line and the complete air valve. Clean the parts and grease them before assembling.

#### *Annual*

- Change the air valve.
- Grease the air valve as well as the spring, before assembling.
- Remove the gun, clean the parts, change the seals and any defective parts. Grease them before assembling (refer to seal kit and servicing kit).

**Note: Frequencies are given as an estimate. They must be adapted by the maintenance service of the user for every installation depending on the fluid, the workload and the working pressure.**

## 12 Assembly - Disassembly

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

- Shut off the fluid pressure,
- Empty out the paint inside the cup or the receiver and clean it,
- Fill the cup or the receiver with cleaning solvent,
- Take off the gun spraying air cap,
- Shut off the gun supply air pressure,
- Adjust fluid pressure to 0.5 bar / 7.25 psi and let the solvent circulate,
- Shut off the fluid pressure,
- 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 necessary after having lubricated them with PTFE grease.
- Install new parts if necessary.

## 13 Assembly errors

The use of improper replacement or defective parts may result in hazards to personnel, damage, malfunction or general shutdown of the equipment.

## 14 Troubleshooting

<b>Distorted spray</b>	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 compressed air. If the problem is not resolved, it means that the fluid nozzle is damaged.	
<b>Displaced spray</b>	This comes from a defect in the central fan. Clean the aircap and the fluid nozzle. Make sure that : <ul style="list-style-type: none"> <li>the aircap is correctly centered on the nozzle,</li> <li>the nozzle is not too big for the needle,</li> <li>When work is done with a large needle opening and the needle almost closed, the spray pattern is not even in all directions.</li> </ul>	
<b>Fragmented pattern</b>	The fan air pressure is too high at the holes in the air cap horns : <ul style="list-style-type: none"> <li>turn the fan air control clockwise to reduce the fan air pressure,</li> <li>increase the paint output.</li> </ul>	
<b>Fan too thick in the center</b>	This is the reverse of the above defect : <ul style="list-style-type: none"> <li>the paint output is too high for the selected air pressure :</li> <li>increase the spraying air pressure and reduce the paint output.</li> <li>if the paint is too thick, dilute it.</li> </ul>	
<b>Intermittent spray pattern</b>	An air inlet in the paint circuit creates an intermittent pattern when: <ul style="list-style-type: none"> <li>the paint cup is nearly empty,</li> <li>when the nozzle is not tightened on its seat: clamp it.</li> </ul> If the problem persists, remove the nozzle and clean it. <ul style="list-style-type: none"> <li>Check that the seat and the cone are not damaged, remove the nozzle and clamp it.</li> <li>Check that: the cup cover air hole is not blocked and the paint is homogeneous and fluid enough (use the viscosity cup).</li> </ul>	

Trouble	Cause	Solution
<ul style="list-style-type: none"> <li>No fluid out of the gun.</li> </ul>	<ul style="list-style-type: none"> <li>Clogged nozzle</li> </ul>	<ul style="list-style-type: none"> <li>Cut the pressure on the pump. Depressurize the hoses.</li> <li>Remove and clean the nozzle with solvent by means of the brush.</li> <li>Check the seal condition.</li> </ul>
<ul style="list-style-type: none"> <li>Pattern width narrows during reversing phase of pump</li> </ul>	<ul style="list-style-type: none"> <li>Air trapped in the fluid circuit</li> </ul>	<ul style="list-style-type: none"> <li>Check connections and suction hose quality.</li> </ul>
	<ul style="list-style-type: none"> <li>Viscosity too high</li> </ul>	<ul style="list-style-type: none"> <li>Reduce viscosity.</li> </ul>
<ul style="list-style-type: none"> <li>Aircap becomes dirty frequently</li> </ul>	<ul style="list-style-type: none"> <li>Too much atomizing air</li> </ul>	<ul style="list-style-type: none"> <li>Reduce air pressure.</li> </ul>
<ul style="list-style-type: none"> <li>Fluid seeping from the air holes of the aircap</li> </ul>	<ul style="list-style-type: none"> <li>Defective tip seal</li> </ul>	<ul style="list-style-type: none"> <li>Replace it.</li> </ul>
	<ul style="list-style-type: none"> <li>Tip loose</li> </ul>	<ul style="list-style-type: none"> <li>Tighten it.</li> </ul>
<ul style="list-style-type: none"> <li>Fluid leak at the packing</li> </ul>	<ul style="list-style-type: none"> <li>Packing is worn</li> </ul>	<ul style="list-style-type: none"> <li>Tighten up the packing holder without blocking the needle.</li> </ul>
		<ul style="list-style-type: none"> <li>If there is still a leak, replace the packing and the needle.</li> </ul>
<ul style="list-style-type: none"> <li>Fluid leak at the front part of the gun, trigger released</li> </ul>	<ul style="list-style-type: none"> <li>Impurities in the paint</li> </ul>	<ul style="list-style-type: none"> <li>Trigger the gun 3 or 4 times.</li> </ul>
	<ul style="list-style-type: none"> <li>Needle worn or/and nozzle worn</li> </ul>	<ul style="list-style-type: none"> <li>Replace needle and nozzle.</li> </ul>
<ul style="list-style-type: none"> <li>Air leak at the valve</li> </ul>	<ul style="list-style-type: none"> <li>Valve worn</li> </ul>	<ul style="list-style-type: none"> <li>Change the valve.</li> </ul>
<ul style="list-style-type: none"> <li>Permanent air leak at the gun aircap when the trigger is released</li> </ul>	<ul style="list-style-type: none"> <li>Friction on the needle</li> </ul>	<ul style="list-style-type: none"> <li>Remove the trigger and check the needle.</li> </ul>
	<ul style="list-style-type: none"> <li>Valve worn</li> </ul>	<ul style="list-style-type: none"> <li>Replace the valve.</li> </ul>



## 15 Commercial references FStart Gravity

### Principle of designation

FStart	<b>G</b>	<b>HVLP</b>	-	<b>22</b>	-	<b>Lva</b>
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**G=Gravity**

**HVLP**  
(High volume, Low pressure)  
**CONV**  
(Conventional)

Nozzle size:

- 15 : 1.5 mm
- 18 : 1.8 mm
- 22 : 2.2 mm



**Lva or Mva**  
**Maximum fan width at 20 cm**  
**L:** 30 - 40 cm  
**M:** 20 - 30 cm  
**Fan shape**  
**v:** Flat shape  
**Material**  
**a:** Aluminum

135756115	Gun FStart G HVLP-15-Mva
135756118	Gun FStart G HVLP-18-Mva
135756122	Gun FStart G HVLP-22-Mva
135756215	Gun FStart G CONV-15-Lva
135756218	Gun FStart G CONV-18-Lva
135756222	Gun FStart G CONV-22-Lva

## 15.1 Available Projectors – references P/Ns

<b>FStart G projectors</b>	132756110	Aircap FStart G HVLP-15 22-Mva
	131756115	Nozzle + Needle FStart HVLP-15
	131756118	Nozzle + Needle FStart HVLP-18
	131756122	Nozzle + Needle FStart HVLP-22
	132756210	Aircap FStart G CONV-15 18-Lva
	131756215	Nozzle + Needle FStart CONV-15
	131756218	Nozzle + Needle FStart CONV-18
	132756220	Aircap FStart G CONV-22-Lva
	131756222	Nozzle + Needle FStart CONV-22

## 15.2 Available Accessory – reference P/Ns

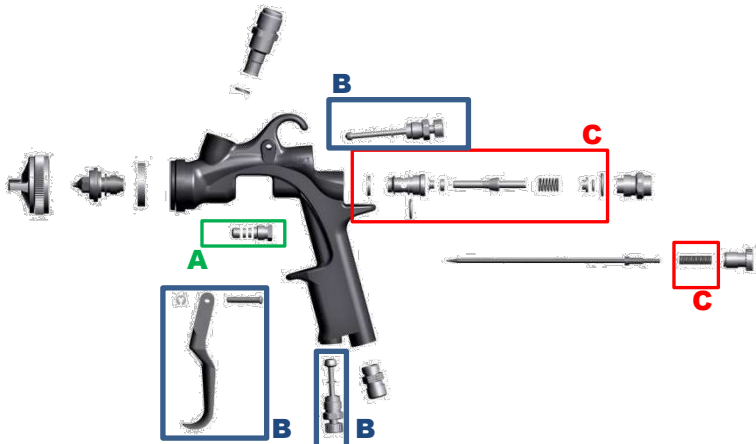
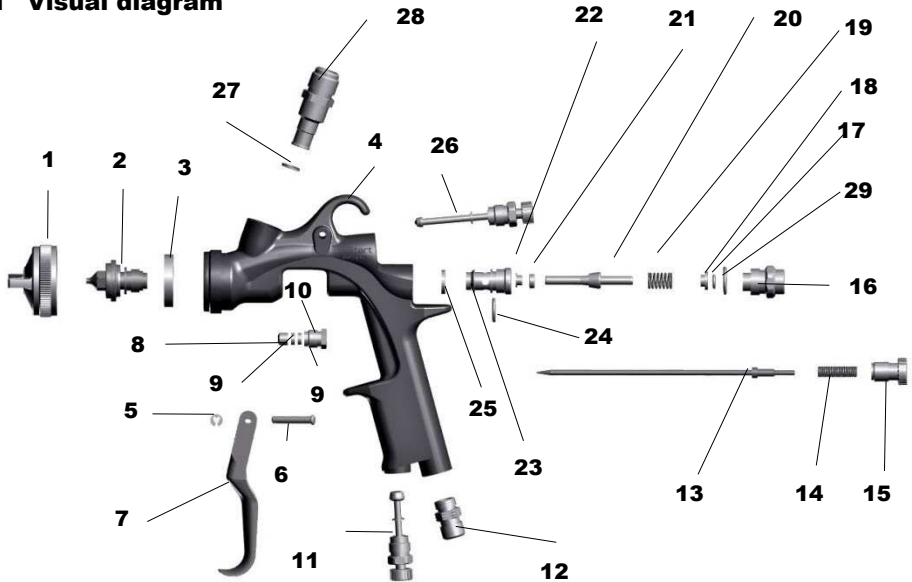
<b>Accessory</b>	129756928	Gravity Plastic cup for FStart
		

## 15.3 Available Packages – references P/Ns

<b>Packages</b>	152756280	Pack Airspray Lucky "FStart G HVLP + air hose"
	152756380	Pack Airspray Lucky "FStart G CONV + air hose"

## 16 Maintenance Kit FStart Gravity 129756901

### 16.1 Visual diagram




### Maintenance kit FSTART gravity 129756901 consisting of

<b>A</b>	Needle packing	129.756.903
<b>B</b>	Trigger set + Air adjusters	129.756.906
<b>C</b>	Rear line assembly	129.756.904

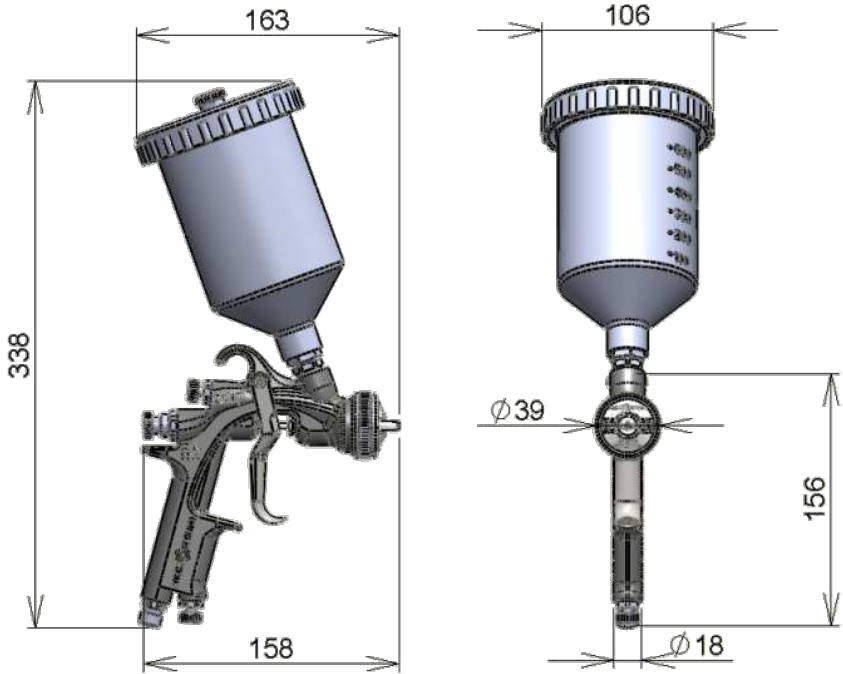
## 16.2 Parts list and maintenance kit FStart Gravity (SPARE PARTS)

Positions	Designation	Quantity	Included in Maintenance Kit 129756901	
8	Needle packing	1	129.756.903 Needle packing	A
9	Packing gasket	2		
10	Needle packing screw	1		
5	E-ring	1	129.756.906 Trigger set + Air adjusters	B
6	Trigger stud	1		
7	Trigger	1		
11	Air adjustment valve set	1		
26	Pattern adjustment valve set	1	129.756.904 Rear line assembly	C
13	Needle set	1		
14	Spring	1		
17	Seal	1		
18	Spring seat	1		
19	Spring	1		
20	Air valve set	1		
21	Air valve packing	1		
22	Packing bushing	1		
23	Sleeve	1		
24	O-ring	1		
25	Gasket	1		
29	O-ring seal	1		
1	Air cap ring	1		
2	Nozzle	1		
3	Baffle	1		
4	Gun body	1		
12	Air connector	1		
15	Fluid adjustment screw	1		
16	Fluid adjustment seat	1		
27	Packing gasket	1		
28	Fluid connector	1		

### Accessory required for assembly/disassembly

Designation	Visual
Wrench supplied with the FSTART Gravity	

## 17 Dimensions FSTART Gravity (Dimensions in MM)



## **18 Warranty**

SAMES KREMLIN grants a contractual guarantee to the Customer for a period of twelve (12) months from the notification of supply, subject to compliance with the conditions of use specified in this technical manual. To be implemented, a written guarantee request must precisely define the malfunction of the item; the defective unit or parts must be sent with the request. Conditions of Purchasing by the customer to SAMES KREMLIN must also be included of the request. SAMES KREMLIN will accept or refuse the implementation of the guarantee only after analysis of the "defective" item. The warranty given by SAMES KREMLIN is limited to the replacement of the item in its entirety or the partial replacement of the defective component. SAMES KREMLIN only bears the cost of the parts needed to replace the defective Material.

No guarantee will be granted by SAMES KREMLIN for the following:

- For defects and deteriorations resulting from abnormal storage and / or storage conditions at the Customer's premises or for maintenance or use of the item that does not comply with the generally accepted procedures or that does not comply with the instructions in this technical manual given to the Customer by SAMES KREMLIN,
- For defects and damage resulting from replacement parts that were not approved by SAMES KREMLIN or that have been modified by the Customer,
- For any damage resulting from negligence or a lack of supervision by the Customer,
- In case of normal wear of the item and / or its components or in case of deterioration or accident resulting from faulty and / or abnormal use thereof.



<p align="center"><b>FR</b></p> <p><b>Pour une utilisation sûre, il est de votre responsabilité de :</b></p> <ul style="list-style-type: none"> <li>• D'installer, d'utiliser, d'entretenir et de réparer l'équipement conformément aux préconisations de SAMES KREMLIN ainsi qu'aux réglementations nationales et/ou locales.</li> <li>• Vous assurez que les utilisateurs de cet équipement ont été formés, ont parfaitement compris les règles de sécurité et qu'ils les appliquent.</li> </ul>	<p align="center"><b>UK</b></p> <p><b>To ensure safe use of the machinery, it is your responsibility to:</b></p> <ul style="list-style-type: none"> <li>• Install, use, maintain and repair the machinery in accordance with SAMES KREMLIN's recommendations and national and/or local regulations.</li> <li>• Make sure that the users of the machinery have received proper training and that they have perfectly understood the safety rules and apply them.</li> </ul>	<p align="center"><b>DE</b></p> <p><b>Eine sichere Nutzung setzt voraus, dass Sie: :</b></p> <ul style="list-style-type: none"> <li>• die Anlage im Einklang mit den Empfehlungen von SAMES KREMLIN sowie mit den nationalen und/oder lokalen Bestimmungen installieren, verwenden, warten und reparieren,</li> <li>• sich vergewissern, dass die Nutzer dieser Anlage angemessen geschult wurden, die Sicherheitsbestimmungen verstehen haben und sie anwenden.</li> </ul>
<p align="center"><b>ES</b></p> <p><b>Para una utilización segura, será de su responsabilidad:</b></p> <ul style="list-style-type: none"> <li>• instalar, utilizar, efectuar el mantenimiento y reparar el equipo con arreglo a las recomendaciones de SAMES KREMLIN y a la normativa nacional y/o local,</li> <li>• cerciorarse de que los usuarios de este equipo han recibido la formación necesaria, han entendido perfectamente las normas de seguridad y las aplican.</li> </ul>	<p align="center"><b>IT</b></p> <p><b>Per un uso sicuro, vi invitiamo a:</b></p> <ul style="list-style-type: none"> <li>• installare, utilizzare, mantenere e riparare l'apparecchio rispettando le raccomandazioni di SAMES KREMLIN, nonché le normative nazionali e/o locali,</li> <li>• accertarvi che gli utilizzatori dell'apparecchio abbiano ricevuto adeguata formazione, abbiano perfettamente compreso le regole di sicurezza e le applichino.</li> </ul>	<p align="center"><b>PT</b></p> <p><b>Para uma utilização segura, é da sua responsabilidade:</b></p> <ul style="list-style-type: none"> <li>• Proceder à instalação, utilização, manutenção e reparação do equipamento de acordo com as recomendações de SAMES KREMLIN, bem como com os outros regulamentos nacionais e/ou locais aplicáveis,</li> <li>• Assegurar-se que os utilizadores do equipamento foram devidamente capacitados, compreenderam perfeitamente e aplicam as devidas regras de segurança.</li> </ul>
<p align="center"><b>NL</b></p> <p><b>Voor een veilig gebruik dient u:</b></p> <ul style="list-style-type: none"> <li>• alle document op de bijgevoegde cd aandachtig te lezen alvorens het apparaat in werking te stellen,</li> <li>• het apparaat te installeren, gebruiken, onderhouden en repareren volgens de door SAMES KREMLIN gegeven aanbevelingen en overeenkomstig de nationale en/of plaatselijke reglementeringen,</li> <li>• zeker te stellen dat de gebruikers van dit apparaat zijn opgeleid, de veiligheidsregels perfect hebben begrepen en dat zij die ook toepassen.</li> </ul>	<p align="center"><b>SE</b></p> <p><b>För en säker användning av utrustningen ansvarar ni för följande:</b></p> <ul style="list-style-type: none"> <li>• Läs noga samtliga dokument som finns på den medföljande cd-skivan innan utrustningen tas i drift.</li> <li>• Installera, använd, underhåll och reparera utrustningen enligt anvisningarna från SAMES KREMLIN och enligt nationella och/eller lokala bestämmelser.</li> <li>• Försäkra er om att användare av denna utrustning erhållit utbildning, till fullo förstått säkerhetsföreskrifterna och tillämpar dem.</li> </ul>	<p align="center"><b>FI</b></p> <p><b>Käytön turvallisuuden varmistamiseksi velvollisuutesi on:</b></p> <ul style="list-style-type: none"> <li>• Lukea huolella kaikki CD:llä olevat asiakirjat ennen laitteen käyttöönottoa,</li> <li>• Noudattaa laitteiston asennuksessa, käytössä, kunnossapidossa ja huollossa SAMES KREMLIN in suositusta sekä kansallisia ja/tai paikallisia määräyksiä,</li> <li>• Varmistaa, että laitteiston käyttäjät ovat koulutettuja ja ymmärtävät täysin turvallisuusmääräykset ja miten niitä sovelletaan.</li> </ul>
<p align="center"><b>PL</b></p> <p><b>Do zapewnienia bezpiecznego użytkowania na użytkownika spoczywa obowiązek:</b></p> <ul style="list-style-type: none"> <li>• Instalowania, użytkowania, konserwacji i naprawy urządzenia zgodnie z zaleceniami firmy SAMES KREMLIN oraz z przepisami miejscowymi,</li> <li>• Upewnienia, że wszyscy przeszkoleni użytkownicy urządzenia zrozumieli zasady bezpieczeństwa i stosują się do nich.</li> </ul>	<p align="center"><b>CS</b></p> <p><b>Pro bezpečné používání iste povinní:</b></p> <ul style="list-style-type: none"> <li>• Nainštalovať, používať, udržiavať a opravovať zariadení v súlade s pokyny firmy SAMES KREMLIN a s národnými a/alebo miestnymi legislatívnymi predpisy,</li> <li>• Ujistit se, že uživatelé tohoto zařízení byli vyškoleni, že dokonale pochopili bezpečnostní pravidla a že je dodržují.</li> </ul>	<p align="center"><b>SL</b></p> <p><b>Za varno uporabo ste dolžni:</b></p> <ul style="list-style-type: none"> <li>• inštalirati, uporabljati, vzdrževati in popravljati opremo po določilih SAMES KREMLIN in v skladu z veljavnimi nacionalnimi in/ali lokalnimi predpisi,</li> <li>• poskrbeti, da so uporabniki te opreme ustrezno usposobljeni, poznajo varnostne predpise in da jih upoštevajo.</li> </ul>
<p align="center"><b>SK</b></p> <p><b>V záujme bezpečného le vašou povinnosťou:</b></p> <ul style="list-style-type: none"> <li>• nainštalovať, používať, udržiavať a opravovať zariadenie v súlade s odporúčaniami spoločnosti SAMES KREMLIN a národnými a/alebo miestnymi predpismi,</li> <li>• uistiť sa, že používatelia tohto zariadenia boli zaškolení, riadne porozumeli pravidlám bezpečnosti a používajú ich.</li> </ul>	<p align="center"><b>HU</b></p> <p><b>A biztonságos használat érdekében az Ön felelőssége, hogy:</b></p> <ul style="list-style-type: none"> <li>• a berendezést a SAMES KREMLIN ajánlásainak valamint a nemzeti és/vagy helyi szabályozásoknak megfelelően helyezze üzembe, használja, tartsa karban és javítsa,</li> <li>• megbizonyosodjon róla, hogy a berendezés felhasználói képzettek, tökéletesen megértették és alkalmazták a biztonsági előírásokat.</li> </ul>	<p align="center"><b>RO</b></p> <p><b>Pentru o utilizare sigură, este responsabilitatea dvs. să:</b></p> <ul style="list-style-type: none"> <li>• Instalați, utilizați, întrețineți și reparați echipamentul conform instrucțiunilor SAMES KREMLIN precum și reglementărilor naționale și/sau locale,</li> <li>• Vă asigurați că utilizatorii acestui echipament au fost instruiți, au înțeles perfect regulile de securitate și le aplică integral.</li> </ul>

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

/ Declaração (es) de conformidade en el reverso de este documento / Dichiarazione/i di conformità sul retro del presente documento / Declaração(ões) de conformidade no verso do documento / Conformitéitsverklaring(en) op de keerzijde van dit document / Försäkran om överensstämmelse på omslätande sida av detta dokument / Vaatimustenmukaisuusvakuutukset tämän asiakirjan kääntöpuolella / Deklaracija(e) zgodnosti na odwrócie dokumentu / Prohlášení o shodě se nachází/zadávej na zadní straně tohoto dokumentu / Deklaracija(e) o skladnosti na hrbni strani tega dokumenta / Vyhlášení/-a o zhode sa nachádzajú na zadnej strane dokumentu / A dokumentum hátlapján szereplő megfelelési nyilatkoz(ok) / Declarații de conformitate pe versoul acestui document



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**EU-KONFORMITÄTSERKLÄRUNG**  
**DECLARACIÓN UE DE CONFORMIDAD**  
**DICHIARAZIONE DI CONFORMITÀ UE**  
**DECLARAÇÃO UE DE CONFORMIDADE**  
**EU-KONFORMITEITSVERKLARING**  
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**DECLARAȚIA DE CONFORMITATE UE**


Le fabricant / The manufacturer / Der Hersteller / El fabricante / Il produttore / O fabricante / De fabrikant / Tilverkare / Valmistaja / Producent / Výrobce / Proizvajalec / Výrobca / Gyártó / Fabricantul:	<b>SAMES KREMLIN SAS</b> 13, chemin de Malacher 38 240 - MEYLAN - FRANCE Tél. : 33 (0)4 76 41 60 60
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Déclare que le matériel désigné ci-après / Herewith declares that the equipment / erklårt hiermit, dass die / Declara que el material designado a continuación / Dichiaro che il materiale sottoindicato / Declara que o material a seguir designado / verklaart dat de hieronder aangeduide apparatuur / Kungör att den utrustning som anges här nedan / ilmoittaa, että alla mainitut laitteistot / Oświadczam, że wymienione poniżej urządzenia / Prohlašuje, že níže uvedené vybavení / Izjavlja, da je opisana oprema spodaj / Vyhlásuje, že zariadenie uvedené nižšie / Kijelenti, hogy a megjelölt anyag a továbbiakban / Declară că echipamentul precizat mai jos:

**PISTOLETS MANUELS DE PULVERISATION PNEUMATIQUES / AIRSPRAY MANUAL SPRAYING GUNS  
/ LUFTZERSTÄUBENDE HAND-SPRITPISTOLEN / PISTOLAS MANUALES DE PULVERIZACIÓN  
AEROGRÁFICA**

FSTART Gravité HVLP
FSTART Gravité CONV
FSTART Pression HVLP
FSTART Pression CONV
FSTART Aspiration CONV

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 yhdenmukaistamisäädännön vaatimusten mukainen / jest zgodny z odnosnymi wymaganiami unijnego prawodawstwa harmonizacyjnego / Shoduje se s následující příslušnou evropskou harmonizační legislativou / V skladu s harmonizirano zakonodajo Unije / Je v súlade s uplatňiteľnými harmonizačnými právnymi predpismi EÚ / Megfelel a következő alkalmazandó unió harmonizációs szabályozásnak / Este conform cu legislația aplicabilă de armonizare de mai jos

Directive ATEX / ATEX Directive / ATEX Richtlinie / Directiva ATEX / Direttiva ATEX / Diretiva ATEX / ATEX-Richtlijn / ATEX-direktivet / ATEX-direktivi / Dyrektywa ATEX / Směrnice ATEX / Direktiva ATEX / Smernica ATEX / ATEX-irányelv	 II 2G Ex h IIB T6 X Gb
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La pr sente d claration de conformit  est  tablie sous la seule responsabilit  du fabricant / This declaration of conformity is issued under the sole responsibility of the manufacturer / Die alleinige Verantwortung f r die Ausstellung dieser Konformit tserkl rung tr gt der Hersteller / La presente declaraci n de conformidat se expide bajo la exclusiva responsabilidad del fabricante / La presente dichiarazione di conformit  est rilasciata sotto la responsabilit  esclusiva del fabbricante / A presente declara o de conformidade   emitida sob a exclusiva responsabilidade do fabricante / Deze conformiteitsverklaring wordt verstrekt onder volledige verantwoordelijkheid van de fabrikant / Denna f rs kran om  verensst mmelse utf rdas p  tillverkarens eget ansvar / T m  vaatimustenmukaisuusvakuutus on annettu valmistajan yksinomisella vastuulla / Niniejsza deklaracja zgodno ci wydana zostaje na wy łączn  odpowiedzialno c producenta / Toto prohl sen  o shod  se vyd va na v hradn  odpov dnost v robc  / Za izdajo te izjave o skladnosti je odgovoren izkljuno proizvajalec / Toto vyhl senie o zhode sa vyd va / na vlastn  zodpovednost v robcu / Ezt a megfelel s gi nyilatkozatot a gy rt  kiz r lagos felel s ge mellett adj k ti / Prezenta declaraie de conformitate este emis  pe r spunderea exclusiv  a produc torului.





Hervé WALTER

Directeur Innovation & Développement / Innovation & Development Director / Direktor für Innovation & Entwicklung / Director de Inovación y Desarrollo / Direttore Innovazione e sviluppo  
/ Diretor de Inovação / Manager Innovatie en Ontwikkeling / Direktör för Forskning och Utveckling / Innovaatio- ja kehitysohjaaja  
/ Dyrektor ds. Innowacji i Rozwoju / Ředitel pro inovace a vývoj / Direktor za inovacije in razvoj / Riaditeľ pre inováciu a rozvoj / Innovációs és fejlesztési igazgató / Director Inovație și Dezvoltare

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