

Bond | Protect | Beautify

With our manual guns, automatic and robotic applicators, supplied by our wide range of pumps & machines for fluid handling, dosing, mixing & dispensing.

SAMES KREMLIN provides industrial solutions for production increase, quality improvement, material & cost savings.

We are designers and manufacturers of process equipment that is divided into 6 ranges:

Airspray: Since 1925, we have been an Airspray manufacturer bringing you the very best in finishing.

Airmix®: Creator of Airmix® Technology since 1975, we provide the perfect mix between quality and productivity.

Airless: We provide premium Airless Products for finishers with demanding applications.

REXSON Dispense: Pumping beyond possible, dispensing precisely.

Electrostatic liquid: expertise for high finishing quality & efficiency.

Powder: Powder coating solutions for the highest Productivity since 1960.

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www.sames-kremlin.com



Apply your Skills



PPH 707 MT PPH 707 MT-2K 1H



Minimum color change loss

Compact design

7th range quality

Related Technologies



ATEX Regulation



Electrostatic



Ex Shape



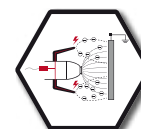
HVT



Hi-TE



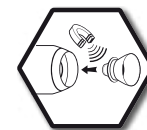
Quick Disconnect



Internal Charge



Rotating Bell



Magnetic Cup

Apply your Skills

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ROBOTIC SPRAYER FOR 1K/2K SOLVENT BASED PAINT EQUIPPED WITH MULTI TRIGGER TECHNOLOGY

PPH 707 MT & MT-2K 1H

PPH 707 MT is a sprayer dedicated to the electrostatic application of solvent based paints.
 PPH 707 MT-2K 1H is a sprayer dedicated to the electrostatic application with internal charge of 2 components liquid paints. This atomizer is the best solution for colored 2K primer or clear coat: low paintlost and fast color change.
 > **Multi trigger** technology means that the color change block is integrated inside this atomizer's body.
 > **1 super high runner** and **5 high runner** colors have very **low lost of paint** and solvent during color change. It means also a high speed color change.

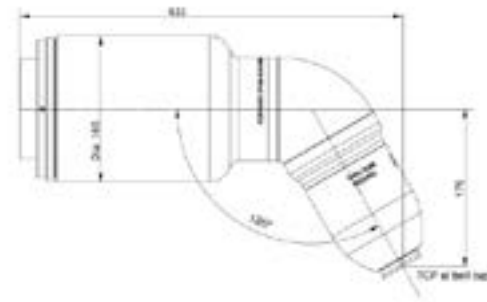
FIELD OF APPLICATION

Whichever the product, the operating modes may be:



Primer	-	✓	✓
Base	-	-	-
Clearcoat	-	✓	✓

DIMENSIONS (mm)



TECHNICAL DATA

Weight	PPH 707 MT	PPH 707 MT-2K 1H		
Spare atomizer, without cable or hose	9.2 kg (with coil) - 8.8 kg (without coil)	9.22 kg (with coil) - 8.83 kg (without coil)		
Pneumatic supply	PPH 707 MT & MT-2K			
Drive air consumption	10 NI/min.			
Magnetic turbine bearing air consumption	125 NI/min.			
Shaping air 1 and air 2 consumption	From 100 to 600 NI/min. ⁽¹⁾			
Turbine rotation air consumption	From 100 to 700 NI/min. ⁽²⁾			
<small>(1): with respect to air shroud and bell being used - (2): with respect to sprayed flow and rotation speed</small>				
Product supply	PPH 707 MT & MT-2K			
Paint flow (depending on paint type)	30 to 1000 cc/min. ⁽³⁾ maxi.			
Paint resistivity (with coil)	> 3 MΩ.cm			
Paint resistivity (without coil)	> 10 MΩ.cm			
<small>(3): with a product density < 1.1 gr/cm3 and/or of the combination bell and air shroud being used</small>				
Performances	HVT			
Rotation speed	15 to 85 000 rpm (upon diameter of bell cup used)			
Application speed	up to 1200 mm/sec			
Color change	Single pump group		Multi pump group	
	PPH 707 MT	PPH 707 MT-2K	PPH 707 MT	PPH 707 MT-2K
Paint loss per color - without coil	29 cm ³	31 cm ³ + 2 cm ³ (loss of hardener)	6 cm ³	8 cm ³ + 2 cm ³ (loss of hardener)
Paint loss per color - with coil	39 cm ³	41 cm ³ + 2 cm ³ (loss of hardener)	16 cm ³	18 cm ³ + 2 cm ³ (loss of hardener)
Solvent loss per color - without coil	300 cm ³	355 cm ³	40 cm ³	65 cm ³
Solvent loss per color - with coil	330 cm ³	385 cm ³	40 cm ³	80 cm ³
Process time - without coil	15 sec	17 sec	5 sec	7 sec
Process time - with coil	15 sec	17 sec	5 sec	7 sec
High Voltage	UHT 157			
Voltage maxi.	100 kV			
Current maxi.	200 μA			

ATEX marking:

PPH 707 MT & PPH 707 MT-2K:
 CE 0080 II 2 G
EEx > 350 mJ
 ISseP05ATEX032X

GNM 200⁽⁴⁾:
 CE 0080 II (2) GD
[EEx > 350 mJ]
 ISseP05ATEX032X
 ISseP06ATEX032X
 ISseP07ATEX001X

(4): This control module allows piloting the UHT. It is a device that is part of the configuration of the certified equipment and that contributes to its good working. It has to be installed into a non explosive area.

CUSTOMER BENEFITS

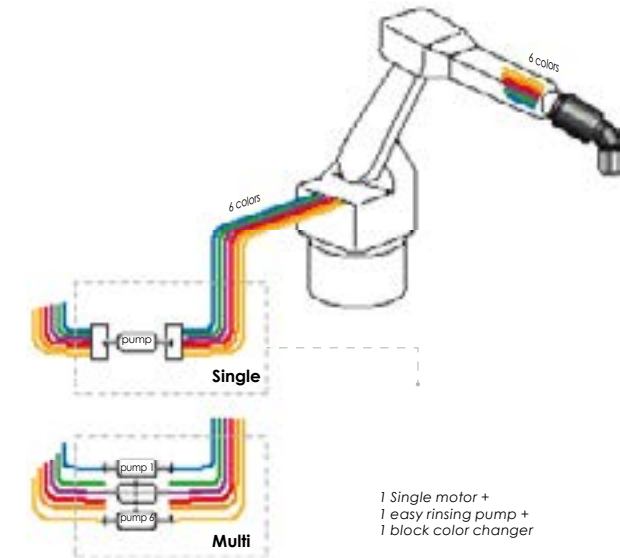
PPH 707 MT

MINIMUM MATERIAL LOSS

- Less paint & solvent loss
 5 high runners at 5cc.
 1 super high runner at 1cc.

- Single or Multi easy rinsing pump process

	Single	Multi
Color change time	15 sec.	5 sec.
Paint loss	29cc.	6cc.
Solvent loss	300cc.	40cc.



FLEXIBILITY

- Easy to upgrade PPH707 SB to PPH707 MT: same TCP & Head
- Coil option for low resistivity or metallic material
- Available 2K version, color change performances: 5 high runners + 1 hardener, 7 sec./8cc. paint & 65cc. solvent loss



HIGH RELIABILITY

- 7 years/30 000h. warranty* turbine
- Long life HVU (High Voltage Unit)
- Titanium bellcup for longer life
- 2.5 million cycles life of valves
- * Whichever is the sooner

SAFETY

- Smart integrated HVU: fast energy discharge preventing any spark
- Remote bell monitoring device
- ATEX zone 1

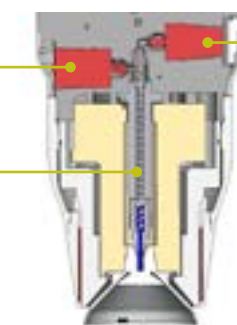
PPH 707 MT-2K

LOW MATERIAL LOSS

- Valve close to mixer
- Static mixer into the head
- Mixed paint volume = 2cc. only

HIGH RELIABILITY

- Microvalves with bellow available for hardener supply circuit: P/N 910010850



EASY TO MAINTAIN

- Easy tear down parts in contact on hardener
- No mixed material in Robot's arm
- No mixed product can return back in the circuit

