

# 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.

FIND YOUR LOCAL CONTACT BY FLASHCODE:



[www.sames-kremlin.com](http://www.sames-kremlin.com)



Apply your Skills



## PPH 707 SB PPH 707 SB-2K



- Low material loss
- High reliability
- Easy to maintain

### Related Technologies



ATEX Regulation



Electrostatic



Ex Shape



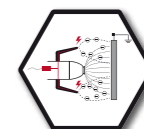
HVT



Hi-TE



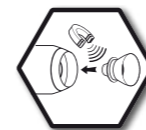
Quick Disconnect



Internal Charge



Rotating Bell



Magnetic Cup

Apply your Skills

[www.sames-kremlin.com](http://www.sames-kremlin.com)

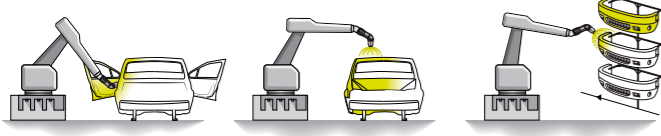
**ROBOTIC SPRAYER FOR  
1K/2K SOLVENT BASED PAINT  
EQUIPPED WITH  
HIGH SPEED ROTARY BELL  
PPH 707 SB & SB-2K**

**PPH 707 SB** is a sprayer dedicated to the electrostatic application with internal charge of solvent based paint. It is equipped with the high speed turbine (HVT) with magnetic bell. > The level of finishing quality proposed by the PPH 707 SB guarantees a high quality.

**PPH 707 SB-2K** is a sprayer dedicated to the electrostatic application with internal charge of 2 components liquid paints. > It is equipped with the static mixer located just before the bellcup injector, which helps to reduce the mixed paint volume to only 2cc. Compatible to every solvent based 2K-Coating.

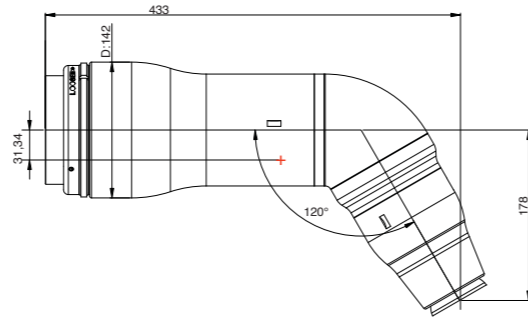
**FIELD OF APPLICATION**

Whichever the product, the operating modes may be:



|           | SB | SB-2K | SB | SB-2K | SB | SB-2K |
|-----------|----|-------|----|-------|----|-------|
| Primer    | ✓  | -     | ✓  | ✓     | ✓  | ✓     |
| Base      | ✓  | -     | ✓  | -     | ✓  | -     |
| Clearcoat | ✓  | ✓     | ✓  | ✓     | ✓  | ✓     |

**DIMENSIONS (mm)**



**TECHNICAL DATA**

| <b>Weight</b>   | <b>PPH 707 SB</b>  | <b>PPH 707 SB-2K</b> |
|---|--|----------------------|
| Spare atomizer, without cable or hose   | 7 kg   | 7.15 kg              |
| <b>Pneumatic supply</b>   | <b>PPH 707 SB &amp; SB-2K</b>  |                      |
| 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. <sup>(1)</sup>                                 |                      |
| Turbine rotation air consumption  | From 100 to 700 NI/min. <sup>(2)</sup>                                 |                      |
| <small>(1): with respect to air shroud and bell being used - (2): with respect to sprayed flow and rotation speed</small> |  |                      |
| <b>Product supply</b>   | <b>PPH 707 SB &amp; SB-2K</b>  |                      |
| Paint flow (depending on paint type)  | 30 to 1000 cc/min. <sup>(3)</sup> maxi.                                |                      |
| Paint resistivity (with coil)   | > 3 MΩ.cm  |                      |
| Paint resistivity (without coil)  | > 10 MΩ.cm   |                      |
| <small>(3): with a product density &lt; 1.1 gr/cm3 and/or of the combination bell and air shroud being used</small>       |  |                      |
| <b>Performances</b>   | <b>HVT</b>   |                      |
| Rotation speed  | 15 to 85 000 rpm (upon diameter of bell cup used)                      |                      |
| Application speed   | up to 1500 mm/sec  |                      |
| <b>Color change</b>   | <b>PPH 707 SB &amp; SB-2K</b>  |                      |
| Paint consumption   | 25 cm <sup>3</sup> (paint circuit) & 25 cm <sup>3</sup> (pump circuit) |                      |
| Rinsing product consumption   | 300 cm <sup>3</sup> (not included rinsing box)                         |                      |
| Standard process time   | 10 sec (with REVERSE FLUSH)  |                      |
| Optimized process time  | 5 sec (with REVERSE FLUSH on circuit 1 & 2)                            |                      |
| <b>Same Color (head rinsing + bell cup)</b>   | <b>PPH 707 SB &amp; SB-2K</b>  |                      |
| Time  | 6 sec.   |                      |
| Rinsing product consumption   | 50 cm <sup>3</sup>   |                      |
| <b>High Voltage</b>   | <b>UHT 157</b>   | <b>UHT 157i</b>      |
| Voltage maxi.   | 100 kV   | 60 kV                |
| Current maxi.   | 200 μA   | 200 μA               |

ATEX marking:

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

**GNM 200<sup>(4)</sup>:**  
CE 0080 II (2) GD  
[EEx > 350 mJ]  
ISseP05ATEX032X  
ISseP04ATEX032X  
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 SB**

**HIGH PERFORMANCE**

- High rotating speed
- High voltage unit
- Hi-TE Technology dual shaping air
- Dual circuit for fast color change

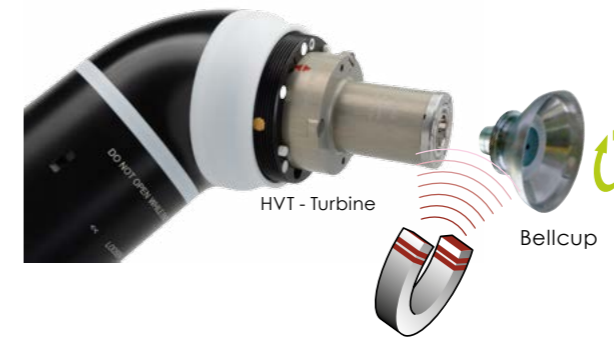
**FLEXIBILITY**

- Full Bell/Bell process: Primer, Basecoat 1, Basecoat 2, Clearcoat
- Wide or narrow pattern
- Light weight for any painting robots

**EASY TO MAINTAIN**

- Quick disconnect
- Easy access to valves, fittings
- Magnetic bellcup fastening system

- No calibration tool required
- Specific body design preventing dust or droplet



**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

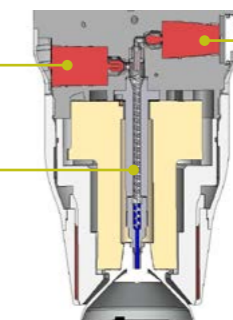
**PPH 707 SB-2K**

**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



www.sames-kremlin.com