Bond | Protect | Beautify

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.

Low material loss

High reliability

Easy to maintain

Related Technologies

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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:

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Weight</th>
<th>PPH 707 SB</th>
<th>PPH 707 SB-2K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spare atomizer, without cable or hose</td>
<td>7 kg</td>
<td>7.15 kg</td>
</tr>
</tbody>
</table>

Pneumatic supply PPH 707 SB & SB-2K

| Drive air consumption                  | 10 Nl/min. |
| Magnetic turbine bearing air consumption | 125 Nl/min. |
| Shaping air 1 and air 2 consumption   | From 100 to 300 Nl/min. |
| Turbine rotation air consumption      | From 100 to 700 Nl/min. |

Product supply PPH 707 SB & SB-2K

| Paint flow (depending on paint type)   | 30 to 1000 c.c/min. |
| Paint resistivity (with coil)          | > 3 MΩ.cm |
| Paint resistivity (without coil)       | > 10 MΩ.cm |

Performance HVT

| Application speed                      | up to 1800 mm/sec |
| Color change                           | PPH 707 SB & SB-2K |
| Paint consumption                      | 25 cm³ (head circuit) & 25 cm³ (pump circuit) |
| Rinsing product consumption            | 300 cm³ (not including rinsing box) |
| Standard process time                  | 10 sec |
| Optimized process time                 | 5 sec |
| Same Color (head rinsing + bell cup)   | PPH 707 SB & SB-2K |
| Time                                  | 8 sec |
| Rinsing product consumption            | 50 cm³ |
| High Voltage                           | UHT 157 & UHT 157i |
| Voltage maxi.                          | 100 kV |
| Current maxi.                          | 200 µA |

PPH 707 SB-2K

CUSTOMER BENEFITS

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, Cleacoat
  - 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

LOW MATERIAL LOSS

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

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

Weight PPH 707 SB PPH 707 SB-2K
Spare atomizer, without cable or hose 7 kg 7.15 kg

Pneumatic supply PPH 707 SB & SB-2K
Drive air consumption 10 Nl/min.
Magnetic turbine bearing air consumption 125 Nl/min.
Shaping air 1 and air 2 consumption From 100 to 300 Nl/min.¹¹
Turbine rotation air consumption From 100 to 700 Nl/min.²⁰

Product supply PPH 707 SB & SB-2K
Paint flow (depending on paint type) 30 to 1000 c.c/min.²⁰ maxi.
Paint resistivity (with coil) > 3 MΩ.cm
Paint resistivity (without coil) > 10 MΩ.cm

Performance HVT
Rotation speed 15 to 85 000 rpm (upon diameter of bell cup used) Application speed up to 1800 mm/sec
Color change PPH 707 SB & SB-2K
Paint consumption 25 cm³ (head circuit) & 25 cm³ (pump circuit)
Rinsing product consumption 300 cm³ (not including rinsing box)
Standard process time 10 sec
Optimized process time 5 sec (with HVU-157i UHT 157i & bellcup)
Same Color (head rinsing + bell cup) PPH 707 SB & SB-2K
Time 8 sec Rinsing product consumption 50 cm³

High Voltage UHT 157 UHT 157i
Voltage maxi. 100 kV 60 kV
Current maxi. 200 µA 200 µA

¹¹ With respect to the choice of the bellcup being used. ²⁰ With respect to sprayed flow and rotational speed.

PPH 707 SB & PPH 707 SB-2K: GS EEx e IIC T5 2 G ATEX 0691X
GDN 200X: GS EEx e IIC T5 2 G ATEX 0691X

PPH 707 SB & PPH 707 SB-2K:
- Valve close to mixer
- Static mixer into the head
- Mixed paint volume = 2cc. only
- Easy tear down parts in contact on hardener

PPH 707 SB-2K:
- Valve close to mixer
- Static mixer into the head
- Mixed paint volume = 2cc. only
- Easy tear down parts in contact on hardener
- No mixed material in Robot’s arm
- No mixed product can return back in the circuit

PPH 707 SB:
- Valve close to mixer
- Static mixer into the head
- Mixed paint volume = 2cc. only
- Easy tear down parts in contact on hardener
- No mixed material in Robot’s arm
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