

Equipment

Designation	Part number
PPH 707 SB without coil	910017984
PPH 707 SB	910004013

Accessories

Designation	Part number
Tool Kit Case	910029366

Kits

Designation	Part number
Electric kit : GNM300 + low voltage cable 17m&8m+ BSC 300 + microphone cable 20m + network Profinet + remote screens	KIT ELEC-707EVO-300_RS-BW-170-XXX-080-300_RS-STD-H200-PN
Electric kit : GNM300 + low voltage cable 17m&8m+ BSC 300 + microphone cable 20m + network Ethernet/IP + remote screens	KIT ELEC-707EVO-300_RS-BW-170-XXX-080-300_RS-STD-H200-IP
Electric kit : GNM300 + low voltage cable 17m&8m+ BSC 300 + microphone cable 20m + network CC-Link + remote screens	KIT ELEC-707EVO-300_RS-BW-170-XXX-080-300_RS-STD-H200-CC
Electric kit : GNM300 + low voltage cable 17m&8m+ BSC 300 + microphone cable 20m + network Profibus+ remote screens	KIT ELEC-707EVO-300_RS-BW-170-XXX-080-300_RS-STD-H200-PB
Electric kit : GNM300 + low voltage cable 17m&8m+ BSC 300 + microphone cable 20m + network Ethercat + remote screens	KIT ELEC-707EVO-300_RS-BW-170-XXX-080-300_RS-STD-H200-EC

Spare Parts

Designation		Part number
MICROVALVE D6	White cover - Orange indicator	1507375
NANOVALVE	White cover - Orange indicator	1510004
O-RING KIT (HIGH SPEED TURBINE)	14 seals	910003415
O-RING KIT (QUICK DISCONNECT PLATE)	26 seals	910003416
BELL CUP EC35 Aluminum	Straight serration	910000636
BELL CUP EC35 Titanium	Straight serration	910011188
BELL CUP EC43 Titanium	Straight serration	910028230
BELL CUP EC50 Aluminum	Straight serration	910003159
BELL CUP EC50 Titanium	Straight serration	910008756
BELL CUP EC50 Titanium Serrated 3holes	Straight serration	910031048
BELL CUP EC50 Titanium No Serration 3holes	No serration	910030109
BELL CUP EC65 Titanium Serrated 3holes	Straight serration	910031049
BELL CUP EX65 Aluminum	Straight serration	910004615
BELL CUP EX65 Aluminum non serrated	No serration	910008549
BELL CUP EX65 Titanium	Straight serration	910009383
BELL CUP EX80 Titanium	Straight serration	910012705
BELL CUP EX65 Titanium non serrated		910009385

PPH707 SB

Robotic Rotary Atomizer for Solvent-Based Material

Electrostatic / Robotic Bells



THE ROBOTIC ELECTROSTATIC ATOMIZER FOR AUTOMOTIVE

- High performance bell atomizer
- High reliability for Automotive applications
- Easy to maintain

Markets





PPH707 SB

Robotic Rotary Atomizer for Solvent-Based Material

The PPH707 SB is a robotic sprayer designed for electrostatic applications with internal charge of solvent-based paint offering a wide range of bells to fit any application!

PPH707 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. Wide and narrow pattern are available. The PPH707 SB ensures perfect operation safety with the smart integrated HVU ensuring fast energy discharge preventing any spark.

The range includes a wide choice of bell cups for the right application :

EC35	NW : variable pattern from very narrow to small pattern	Interior cut-ins, narrow shapes	Base coat & Clear coat
EC50	NW : variable pattern from narrow to large pattern	Bumper, interior	Primer, Base coat & Clear coat
EC50	PSW : Primer Super Wide for large pattern	Exterior body, flat panels	Primer coat
EC50	CSW : Clear coat Super Wide for large pattern	Exterior body, flat panels	Clear coat
EX65	NW : variable pattern from narrow to large pattern & fine atomization	Bumper	Base coat 1 & 2
EX80	BSW : Base coat Super Wide for very large pattern & finest atomization	Exterior body, flat panels	Base coat 1 & 2



Technical data table

Designation	Value	Unit: metric (US)
Weight	7 (15)	kg (lbs)
Viscosity Scale (min-max)	20 - 40	seconds FORD Cup#4
Standard Material Supply Pressure	6 - 8 (87 - 116)	bar (psi)
Maximum Material Pressure	10 (145)	bar (psi)
Minimum Paint Flow	30 (0.008)	cc/min (gal/min)
Standard Paint Flow	500 (.132)	cc/min (gal/min)
Maximum Paint Flow	1000 (.264)	cc/min (gal/min)
Paint Resistivity (min-max)	>3 coil / >10 no coil	MOhm.cm
Rotation Speed	15 - 85000	rpm
Voltage Max	100	kV
Current Max	200	µA
ATEX Certification	II 2 G 350 mJ < Ex < 2J	
High Voltage Unit	UHT157 / UHT157i	
High Voltage Control Module	GNM200/GNM300: II (2) G [350 mJ < Ex < 2J]	



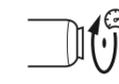
Technologies



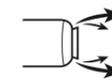
Electrostatic



EX Shape



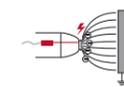
High Speed Turbine



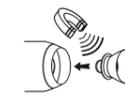
Hi-TE



Quick Disconnect



Internal Charge



Magnetic Cup



Rotating Bell



Description

Performance

- 1 High rotating speed whatever the paint flow for the finest atomizing
- 1 High voltage unit gives the maximum electrostatic effect for highest transfer efficiency possible
- 1 Dual circuit for fast colour change
- 2 Hi-TE dual shaping air with patented mixing straight and vortex airs

Productivity

- 1 Lightweight design makes PPH 707 SB available for all painting robot
- 2 NW air shroud (Narrow Wide) allow fast & flexible pattern to adapt to complex parts to paint.
- ◆ Remote bell monitoring device avoid to spray without the bell cup, securing the painting process after a shut down.
- ◆ Full Bell/Bell process : Primer, Basecoat 1, Basecoat2, Primer thanks to a range of 4 bell cups size

Sustainability

- 2 Easy to maintain the full atomizer thanks to the Quick disconnect
- 2 Titanium bellcup for longer life
- 2 Magnetic bellcup fastening system : the easiest system on the market
- ◆ High reliability of every component (2.5 million cycle valve life, long life high voltage, 7 years warranty air motor, robust fittings, magnetic bell cup) for high production rate paintshop
- ◆ Best warranty air motor on the market : 7 year/30 000 hr turbine warranty*

*whichever is sooner

