

## Equipment

Designation	Part number
PPH 707 EXT [curved fingers]	910030745
UHT330c	910030615

## Kits

Designation	Part number
Electric kit : GNM300 + low voltage cable 17m&8m+ BSC 300 + microphone cable 20m + network Profinet	KIT ELEC-707EXT-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	KIT ELEC-707EXT-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	KIT ELEC-707EXT-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	KIT ELEC-707EXT-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	KIT ELEC-707EXT-300_RS-BW-170-XXX-080-300_RS-STD-H200-EC

## Spare Parts

Designation	Part number
NANOVALVE	1510004
MICROVALVE D6	1507375
O-RING KIT (QUICK DISCONNECT PLATE)	910003416
O-RING KIT (HIGH SPEED TURBINE)	910003415
BELL CUP EX65 Aluminum	910004615
BELL CUP EX65 Aluminum non serrated	910008549
BELL CUP EX65 Titanium	910009383
BELL CUP EX65 Titanium non serrated	910009385
BELL CUP EX80 Titanium	910012705
BELL CUP EC50 Aluminum	910003159
BELL CUP EC50 Titanium	910008756

## PPH707 EXT

Robotic sprayer with external charge electrodes for water-based materials



Electrostatic / Robotic Bells

EXTERNAL CHARGE FOR EXTERIOR BODY PAINTING WITH WATERBORNE PAINT

- High finishing quality
- High transfer efficiency
- Easy to integrate

## Markets





# PPH707 EXT

Robotic sprayer with external charge electrodes for water-based materials

PPH707 EXT external charge sprayer is designed for the application of waterbased materials.

The performances of the atomizer and components are the same as the PPH 707 SB (dedicated to solvent paints); it is the benchmark in the area of automotive finishing with external charge thanks to its Hi-TE technology.

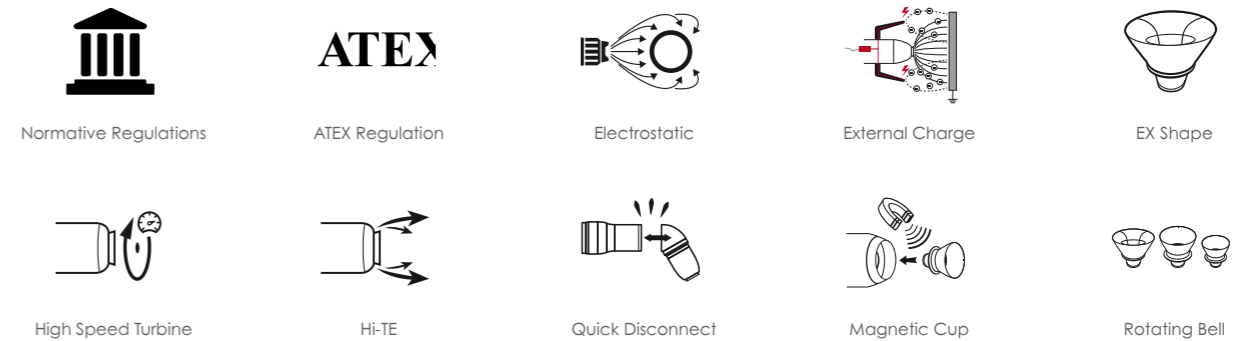


## Technical data table

Designation	Value	Unit: metric (US)
Weight	7 (18.75)	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	400 (.106)	cc/min (gal/min)
Maximum Paint Flow	700 (.185)	cc/min (gal/min)
Paint Resistivity (min-max)	<3	MOhm.cm
Transfer Ratio	80	%
Maximum Total Air Consumption	126	NL/min
Rotation Speed	15 - 70000	rpm
Voltage Max	UHT330: 80kV / UHT330c: 65kV	kV
Current Max	Uc ≤ 65 kV => 500 μA / 65 kV < Uc ≤ 80 kV = 350 μA	μA
ATEX Certification	II 3 G X T6 E > 2 J	
High Voltage Unit	UHT330 / UHT330c	
High Voltage Control Module	GNM300: II (2) G [350 mJ < Ex < 2J]	



## Technologies



## Performance

- ◆ High rotating speed whatever the paint flow for the finest atomizing
- ◆ High voltage unit gives the maximum electrostatic effect for highest transfer efficiency possible
- ◆ Hi-TE dual shaping air with patented mixing straight and vortex airs
- ◆ The dual circuit allows a very fast color change <10sec

## Productivity

- ◆ The large range of bell cups EC50, EX65 and EX80 adapts to every layer to paint
- ◆ The lightweight design of PPH 707 EXT is suitable to every painting robot
- ◆ Remote bell monitoring device avoid to spray without the bell cup

## Sustainability

- ◆ High reliability of every component for high production rate
- ◆ Titanium bellcup for longer life, high resistance to abrasion
- ◆ 7 years/30,000h warranty turbine
- ◆ Magnetic bellcup fastening system : the easiest system on the market



## Description

