Baifu Air Electrostatic spray gun

Elbow type LE200 LE300

Introduction

- LE200/300 is a compact and reasonable design, light weight , durable high-efficiency spray gun, suitable for automatic spraying of plastic parts of automobiles and motorcycles, wood industry, and metal parts industry.
- LE200/300 is used in various fields. In addition to use the electrostatic principle to save a lot of paint, it also adopts low-pressure high-atomization LPHA design, which also improves the utilization rate of paint and the surface quality of object.
- LE200/300 with different configurations, can meet the automatic spraying application of solvent-based , water-based, one-component/two-component, PE paints.

Suitable application

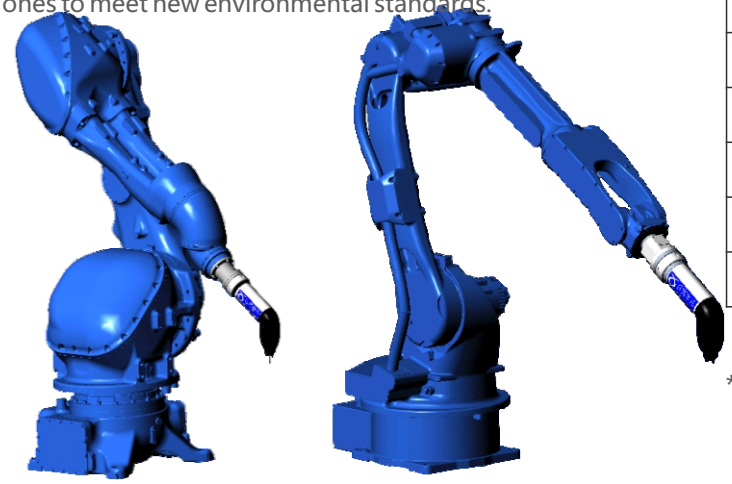
Metal: all surfaces and shapes of metal objects
Plastic: TV frame, bumper, motorcycle plastic parts, Phone boxes, side door mirrors, cell phones, computers
Wood: doors, door frames, windows, desks, chairs, headboards
Glass: Perfume bottles and any other bottles

Paint impedance

Solvent base ≧ 6MΩ.cm ..... 70kV/100 μA
≧ 0.5 MΩ.cm .....70kV/200 μA
Water base ≧ * KΩ.cm ..... 70kV/500 μA

Advantage

- **Easy and fast assembly**
  Simple structure, easy installation and commissioning.
  For robots with low wrist payloads
- **High transfer efficiency**
  Kinetic design of atomized particle size, flow velocity and air obstruction
  Variety of air caps options for spraying ideal distance and dead angle penetration
- **Enhancement of coating film quality**
  Fine atomized particles, high particle uniformity, and excellent texture.
  The air + electrostatic atomization ensures a more uniform and consistent film thickness distribution
- **Easy maintenance and management**
  All pipelines are integrated into the robot's second arm, making disassembly and maintenance convenient
  Low component costs and minimal operating expenses
- **Compliant with environmental protection regulations**
  Suitable for establish new coating lines or upgrading existing ones to meet new environmental standards.



Model	LE200SB-H/N	LE300SB-H/N
Structure	For hollow wrist robot /Non hollow wrist robot	
Paint Compatibility	Solvent-based paint	Solvent-based paint
HV supply	Integrated HV	Integrated HV
Built-in valve	Paint*1, dumping*1	Paint on/off*1
Min. start air pressure	0.4 Mpa	0.4 Mpa
Air consumption(pattern)	Φ 8 X 6 600L/min.(ANR)	Φ 8 X 6 600L/min.(ANR)
Atomization pressure 0.45MPa	Φ 8 X 6 600L/min.(ANR)	Φ 8 X 6 600L/min.(ANR)
Flow rate at 0.7MPa	500mL/min	500mL/min
Double layer paint hose	Teflon 6 x 8	Teflon 6 x 8
Paint flow setting **Pneumatic Type**	R4 pneumatic remote control valve	R4 pneumatic remote control valve
Paint flow setting **Gear pump Type**	#10, 30	#10, 30
Atomization pattern varies by air cap	100~350mm	100~350mm
External size	394mmxØ96	394mmxØ85
Weight(W/O cable, hose,nozzle)	Approx. 3000g	Approx.3000g
HV cascade	CC751B	
Electrical box	IPS930E (include PCB, small box, hardware)	
HV controller	IPS930C/HMI	

* H= With hollow wrist robot flange
N= With non-hollow wrist robot flange

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2026.07.06.

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Color change valve selection

Model		
Outlet	2P	2P
Body material	Stainless steel	Aluminum alloy
Wetted material	Stainless steel	Stainless steel
Shaft seal	U type seal ring	Diaphragm
Weight(g)	625/PC	310/PC

CCV-20

CCV-30

Paint metering system

	Solvent base paint			Water base paint(Insulation)			
Combination No.	10#	20#	30#	10i#	20i#	30i#	40i#
Gear pump unit	General	One drive multi	Servo motor	Insulation	One drive multi	Servo motor	Sealing type
Specification	Explosion proof			Explosion proof			
Gear pump	Alloy steel/stainless steel DLC/tungsten steel			stainless steel DLC/tungsten steel			
Motor	Exp. AC Inverter		AC servo	Exp. AC Inverter		AC servo	Exp. AC
Installation	Vertical Wall mount	Floor mount	Vertical Wall mount	Vertical Wall mount	Floor mount	Vertical Wall mount	Floor mount

Paint pump VS. Paint supply station

Double diaphragm pump				Paint supply station		
N1.068 Fiber nylon	S1.068 Stainless steel	A1.068 Aluminum	A1.288 Full set	PS4 Water tray	PSiB Insulation table	PSiD Insulation cabinet

Application cases

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