

# SPRAY GUN



SPRAY GUN

# New Millennium Quality with Human and Environmental Friendliness

## **New Millennium Quality complies with environment-conscious requirements with both little overspray and high transfer efficiency low pressure spray guns and new general purpose spray guns.**

Every industry is now trying to protect [the invaluable earth] on a worldwide scale. We, industrial manufacturers, are responsible for developing state of the art technology which is friendly to both humans and environment. Especially, restriction of VOC's (volatile organic compounds) and reduction of industrial waste have become imminent. Under this background, Japanese industries are expediting to meet high transfer efficiency, little overspray, water based and low VOC paints. We introduced low pressure spray guns in 1990 to clear California regulations, the most stringent in the world, and have established new atomizing technology. Now, we have developed spray guns with performance that will satisfy painters around the world and painters who are eco-conscious. "LPH series" has high transfer efficiency with little overspray mists. Our latest conventional spray guns, "W series" has higher atomization and less overspray mists than previous models by reducing atomizing air pressure (at gun handle).

# Spray guns with new functions for the 21st century

**LPH(low pressure) - 50·80·101·200·300·400 series**  
**W(general purpose) - 50·101·200·300·400 series**

## For environmental protection

### ● Low pressure (LPH) spray guns

Air cap, fluid nozzle and body construction have excellent mechanism to create uniform air flow and have materialized high atomization with pressure in air cap (0.05 MPa for gravity feed and 0.07 MPa for pressure feed) which is about one fourth of the previous type. We propose a reduction of overspray mist and an increase of transfer efficiency.

### ● General purpose gun (W type) spray guns

From an environmental viewpoint, we have reduced atomizing air pressure (at gun handle) by 0.05MPa and surpassed atomizing performance of previous models. They can cope with environment complying paints (water-based paints, etc.) which were considered to be difficult to atomize with previous models. Besides environmental protection, low air pressure has achieved little overspray of paint mist, minimal bounceback (increase of transfer efficiency), reduction of VOC emission, improvement of working environment and cost reduction through paint saving.



## Improved handling

### Lightweight and compact gun body design

- We have designed the small type gun 295g (previously 320g), and large type gun 380g (previously 540g).
- Compact, round gun body can fit into your hand.
- When fitting an air hose, container or cup to the gun, you will enjoy a well-balanced sense of gravity. It is really painter-friendly and handles very easily.

### Improved productivity

- The air valve and fluid needle are fitted onto the same axis, resulting in 20~30% lighter triggering than previous models.
- Smoother movement of knobs to adjust the pattern, air volume and fluid output makes it easier to change these conditions.

### Flat and wider pattern

- Flat pattern with uniform mist achieves beautiful finish and makes spray overlap easy.
- Larger pattern width than that of previous models has improved productivity.

### Easy maintenance

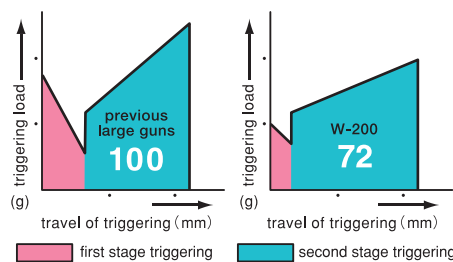
- The larger area where spanner is applied on fluid nozzle makes it easy to replace parts.

### All wetted parts are made of stainless steel which can cope with water borne paints

- All wetted parts of the fluid nozzle, fluid needle, fluid nipple and the insert of the gun's body are made of high quality stainless steel.

### Wide range of applications

- Out of a wide lineup in terms of nozzle orifices and high atomization type spray guns, you can choose the most suitable model for your applications.



# How to select the right spray gun

## ① Size of workpiece?

### Selection of small type and large type

- Small parts, toys, small workpieces, car repairs ... small type (LPH-50, 80, 101, W-101)
- Large parts, vehicles, buildings, line coating, large coating... large type (LPH-200, W-200)

## ② Amount or area to be painted?

### Selection of type of feed ( gravity feed, suction feed, pressure feed )

- For small amount or painting with frequent color changes, use gravity feed (G type)
- For small or medium painting operations with frequent color changes, use suction feed (S type)
- For painting large amount of the same color on a conveyor line, use pressure feed (P type) with paint tank or paint pump.

## ③ Stage of painting and viscosity?

### Selection of fluid nozzle orifice and air cap

- An excellent finish for a top coat requires finely atomized paint particles. You need to select a spray gun that can provide a high air-to-paint ratio, especially for metallic paint.

### Paint viscosity and selection of nozzle orifice

- You need to select nozzle orifice according to paint viscosity. Generally select small nozzle orifice for low paint viscosity, and large nozzle orifice for high paint viscosity.

※ In case of pressure feed type, even the small nozzle orifice can cover a relatively wide range from low to high viscosity.

- Paint viscosity [Ford cup #4 (Anest Iwata NK-2) ]
- Low viscosity [less than 18 sec. (15 sec.) ] 0.8~1.5φmm
- Medium viscosity [18~26 sec. (15~25sec.) ] 1.3~2.0φmm
- High viscosity [26~33 sec. (25~35sec.) ] 2.0~2.5φmm

The typical application is shown below. Refer also to application examples shown in specifications for each spray gun model.

Spray gun		Classification	Low pressure spray gun																					
			Model name	LPH-50			LPH-101				LPH-200	LPH-300			LPH-400									
		Last letters of model name	042G	062G	102G	122P	124LVG	144LVG	144LVS	164LVG	164LVS	122P	124LV	144LV	164LV	144LV	164LV	082P	102P	132P	152P	101S	101G	
Nozzle orifice (φmm)		0.4	0.6	1.0	1.2	1.2	1.4	1.4	1.6	1.6	1.2	1.2	1.4	1.6	1.4	1.6	0.8	1.0	1.3	1.5	1.0	1.0		
Classification of industries and processes	Auto body	Middle coat				○					◎							○						
		Top coat				○					◎								○					
		Refinish, touch-ups	○	○	○		○	◎	○		◎		○	◎								○	○	
	Large busses and trucks	Middle coat, top coat				○				○		○			○				○					
	Sheet metal for autos (passenger cars)	Primer						○		◎	○			○	◎		○							
		Spray putty																	○					
		Middle coat (primer surfacer)							○		○	○			○	○	○	○						
		Top coat (touch-ups~block)	◎	◎	◎		○	◎	○	○	◎			○	◎	○	○							
	Metal	Top coat (whole body)							◎	○	◎	◎			◎	◎	◎	○						
		Middle coat				◎						◎							◎	◎				
	Plastic (small workpieces)	Top coat	○	○	○	◎						◎							◎					
		Middle coat				◎						◎								○	○	○		
	Woodwork, furniture	Top coat				◎						◎							◎	◎				
		Steel frame	Anti-corrosion																					
	Adhesives	Less than 200 centipoises																						
Less than 1000 centipoises																								
Size of workpieces	Small	↔			↔						↔			↔		↔		↔		↔				
	Medium				↔				↔	↔				↔	↔					↔	↔			
	Large										↔													
Paint viscosity (Ford Cup #4)	Low viscosity (less than 15 sec.)	↔			↔									↔			↔		↔					
	Medium viscosity (18~26 sec.)				↔						↔	↔								↔	↔			
	High viscosity (26~33 sec.)										↔										↔	↔		

Note 1) When you use high viscosity paints, refer to spray guns for high viscosity paints on page 14. Note 2) Adhesives shown by ※ marked models can be sprayed by pressure feed type.

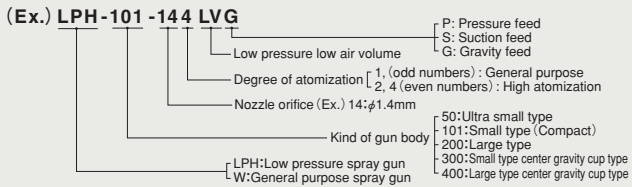
## ④ Selection of spray gun model?

### Selection of low pressure spray gun and general purpose spray gun

● From the viewpoint of environmental protection, spray guns of high transfer efficiency and little overspray are becoming mainstream in the world. LPH low pressure spray guns can achieve high atomization with low pressure of 0.07MPa (0.7kgf/cm<sup>2</sup>) in air cap. Low pressure spray guns reduce VOC emission to atmosphere and contribute to improvement of working conditions at painting site.

Series	Ultra small type 50 series	Small type 100 series	Large type 200 series	Small type center gravity cup type 300 series	Large type center gravity cup type 400 series
Low pressure spray gun	LPH-50	LPH-101	LPH-200	LPH-300	LPH-400
General purpose spray gun		W-101	W-200	W-300	W-400

[How to read model names]



When you spray corrosive paints in a line painting with LPH-200 or W-200 pressure feed spray guns at high frequency, we prepare an optional fluid nozzle and fluid needle set made of hard-to-wear material.

- General purpose spray guns are spray guns you have been using up to now.
- Is air volume enough? Air compressor supplies about 100 liters/min. per 0.75kW (1PS). Use an air compressor which supplies 20 to 30 % larger free air delivery than air consumption of selected spray gun.

※ As for details, refer to [Air Compressions] catalog.

- Do you use air filters and air regulators? Moisture and oil are big enemies to coating.

A spray gun can achieve satisfactory performance at air pressure specified in instruction manual of each spray gun.

Be sure to fit air filter and air regulator or air transformer near painter and use clean air without moisture or oil at regulated pressure.

### Caution

- Figures in this catalog are measured by our test paints. They will differ according to kinds of paints and painting conditions.

Most suitable    Suitable

## General purpose spray gun

W-101														W-200												W-300				W-400			
131S	131G	132S	132G	134S	134G	151S	151G	152S	152G	181S	181G	122P	151S	151G	152S	152G	182S	201S	201G	202S	202G	251S	251G	081G	101G	132G	122G	142G	162G	182G	251G		
1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.8	1.8	1.2	1.5	1.5	1.5	1.5	1.8	2.0	2.0	2.0	2.0	2.5	2.5	0.8	1.0	1.3	1.2	1.4	1.6	1.8	2.5		
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## Features of low pressure spray guns

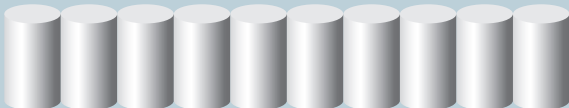
### High transfer efficiency and little overspray

Speed of air flow ejected from spray guns is slower in low pressure spray guns than that of conventional spray guns. "Air flow is slow" means that power is weak against air flow direction. In other words, with less bounceback, paint particles easily reach the workpiece, since atomizing air pressure is low.

<p><b>Low pressure spray guns</b></p>   <p><b>LPH-101LV type low pressure low air volume spray gun</b> Atomizing air pressure: 0.1 MPa Pressure in air cap: 0.05MPa</p>	<p><b>Conventional spray guns</b></p>   <p><b>Conventional spray gun</b> Atomizing air pressure: 0.3 MPa Pressure in air cap: 0.23MPa</p>
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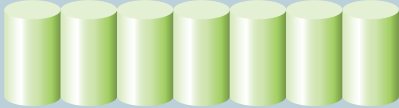
### Improvement of work environment

Although use of water-based paints is expanding, paints using organic solvents are still mainstream. To improve painting environment, we need to reduce the overspray paint mists. Low pressure spray guns with less overspray paint mists can lengthen maintenance cycle of spraying booths and minimize dirtiness of painters' clothing by reducing paint overspray. Less overspray means improvement of painting operation environment.



Paint consumption of conventional spray gun

You can reduce paint consumption by 20~30%.



Paint consumption of low pressure spray gun

In addition to previous High Volume Low Pressure spray guns, we have developed Low Volume Low Pressure spray guns by adopting new atomizing technology (patented).

**Low pressure spray guns**

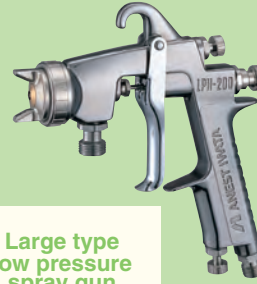
**LPH-50/101/200**



**Small type low pressure spray gun**  
LPH-101-144LVG  
Gravity feed type with PC-4S cup (option)



**Small type low pressure spray gun**  
LPH-101-164LVS  
Suction feed type with PCL-7B-2 (option)



**Large type low pressure spray gun**  
LPH-200-122P  
Pressure feed type



**Ultra small type low pressure spray gun**  
LPH-50-102G  
Gravity feed type with PC-51 cup (option)



New fluid nozzle mechanism  
(Patent No.3359771/LPH-101LVG-S)

**● Gravity feed type LPH-50-042G/-062G/-102G**  
...for automobile refinishing applications

① Most suitable for touch-ups or shading with small fluid output, low pressure, and low air volume. Little overspray improves painting efficiency.

② Little overspray and bounceback contribute to health protection of painters.

**● Low air volume type LPH-101-124LVG/-144LVG·S/-164LVG·S**

...for automobile refinishing applications

① Equipped with low pressure and low air volume, you can adjust in the same way as conventional spray guns. They enable you to improve painting operation efficiency with less overspray mists, especially when you do touch-ups and shading.

② Little overspray and bounceback contribute to protection of health of painters.

**● Pressure feed type LPH-101-122P**

...for industrial painting of metal, woodwork and resin

① You can reduce paint consumption by 20~30% (compared with our previous models) due to high transfer efficiency and little overspray.

② They can contribute to health protection of painters due to little overspray and bounceback.

③ Maintenance cycle of spray booth is lengthened since booth becomes less dirty.

**● Pressure feed type LPH-200-122P**

...for large workpieces such as large parts or vehicles

① You can reduce paint consumption by 20~30% (compared with our previous models) due to high transfer efficiency.

② They can contribute to health protection of painters.

**★ Spray guns for pressure feed type and corrosive paints (option of LPH-200)**

... for line painting in automobile or consumer electronics plants  
When you spray corrosive paints with large fluid output at high frequency, we prepare an optional fluid nozzle and fluid needle set\* made of anti-wear material.

\* The parts consist of a fluid nozzle and fluid needle set.

Model	Previous model	Type of feed	Fluid nozzle orifice φ mm	Atomizing air pressure MPa (psi)	Pressure in air cap MPa (psi)	Air consumption l/min (cfm)	Fluid output ml/min.	Pattern width mm (inch)	High atomization	Applied air cap model	Required air compressor kW	Mass g (lbs)	Application					
LPH-50-042G	—	Gravity	0.4	0.09 (12.8)	0.05 (7.1)	50 (1.8)	8*	40*(1.6)	●	E2	0.2~0.75	220 (0.48)	Automotive refinishing (touch-ups, shading)					
LPH-50-062G	—		0.6				25*	60*(2.4)										
LPH-50-102G	—		1.0				55*	100*(3.9)										
LPH-101-081P	—	Pressure	0.8	0.26 (36.9)	0.07 (10.0)	430 (15.5)	100	170 (2.4)	●	E1	1.5~2.2	295 (0.64)	Automotive refinishing (touch-ups, block painting)					
LPH-101-101P	—		1.0				150	200*(7.9)										
LPH-101-122P	LPH-100-122P		1.2	0.34 (49.8)		530 (18.7)	350	270 (10.6)		G2	2.2~3.7							
LPH-101-131P	—		1.3	0.26 (36.9)		430 (15.5)	200	280 (10.9)						E1				
LPH-101-151P	—		1.5															
LPH-101-082LVP	—		0.8	0.18 (25.6)		0.05 (7.1)	280 (5.6)	100		230 (9.0)	●			LV6	1.5~2.2	295 (0.64)	Metal, woodwork, resin painting	
LPH-101-102LVP	—		1.0					150		250 (9.8)								
LPH-101-124LVG	LPH-101-124LVG		Gravity	1.2		0.1 (14.2)	0.05 (7.1)	200 (7.1)		80*	200*(7.9)			●	LV4	1.5~2.2	295 (0.64)	Automotive refinishing
LPH-101-144LVG	LPH-101-144LVG			1.4						130*	220*(8.6)							
LPH-101-164LVG	LPH-101-164LVG			1.6						100	220 (8.6)							
LPH-101-184LVG	—	1.8		120	210 (8.2)													
LPH-101-124LVS	—	Suction	1.2	0.1 (14.2)	0.05 (7.1)	200 (7.1)	60	170 (2.4)	●	LV4	1.5~2.2	295 (0.64)	Automotive refinishing					
LPH-101-144LVS	LPH-101-144LVS		1.4				80	180 (7.0)										
LPH-101-164LVS	LPH-101-164LVS		1.6				95	190 (7.4)										
Large type LPH-200-122P	LPH-90-121 LPH-90-122	Pressure	1.2	0.20 (28.4)	0.07 (10.0)	500 (17.7)	500	300 (11.7)	●	G2	2.2~3.7	380 (0.84)	Large workpieces such as large parts, vehicles					

● Spray distance : 100mm for LPH-50-042G, 150mm for -062G and -102G, and 200mm for LPH-100 and -200. ● Paint viscosity: 22 sec. (20 sec. / NK-2).  
※ marked case: 16 sec (12 sec. / NK-2). ● Fluid nipple: G1/4 for LPH-50 and LPH-100; and G3/8 for LPH-200. ● Air nipple: G1/4 for all models.

# Compact spray gun

## W-101

### ① Lower atomizing air pressure coupled with high atomization

We have reduced both overspray and triggering load by reducing atomizing air pressure (at gun handle) by 0.05 MPa. Atomization effect is better than previous model.

### ② Wide lineup range

We have added 1.3 and 1.5Φmm to pressure feed type. For automotive refinish, the popular 13H21 type has been expanded to 134G/134S.



**W-101-082P**  
Pressure feed type



**W-101-132G**  
Gravity feed type  
PC-4S  
cup (option)



**W-101-151S**  
Suction feed type  
PCL-7B-2  
container (option)

Model	Previous model	Type of feed	Fluid nozzle orifice φ mm	Atomizing air pressure MPa (psi)	Air consumption l / min (cfm)	Fluid output ml / min.	Pattern width mm (inch)	High atomization	General atomization	Applied air cap model	Required air compressor kW	Mass g (lbs)	Application		
W-101-082P	W-100-082P	Pressure	0.8	0.29 (42)	270 (9.5)	150	190 (7.5)	●		E2P	1.5	295	Automobile, woodwork, furniture, metal, plastic		
W-101-102P	W-100-102P	Pressure	1.0				200	220 (8.7)	●						
W-101-132P	W-100-132P	Pressure	1.3			220 (7.8)	250	210 (8.3)	●						
W-101-152P	W-100-152P	Pressure	1.5	240 (9.4)	●										
W-101-101S	W-100-101S	Suction	1.0	0.24 (34.8)	75 (2.6)	85	120 (4.7)		●	E1	0.4~0.75	295	Light industry, hobby		
W-101-101G	W-100-101G	Gravity	1.0			95	130 (5.1)		●	K1					
W-101-131S	W-100-131S	Suction	1.3			145 (5.1)	150	155 (6.1)		●	H2	0.75~1.5	295	Automotive refinish,* woodwork, furniture, metal, plastic	
W-101-131G	W-100-131G	Gravity	1.3					160	170 (6.7)					●	
W-101-132S	W-100-132S	Suction	1.3			225 (7.9)	150	160 (6.3)		●	H4	0.75~1.5	295	Automotive refinish,* woodwork, furniture, metal, plastic	
W-101-132G	W-100-132G	Gravity	1.3					160	175 (6.9)					●	
W-101-134S	W-100-134S	Suction	1.3			0.20 (29)	210 (7.4)	140*	180* (7.1)	●		H4	0.75~1.5	295	Automotive refinish,* woodwork, furniture, metal, plastic
W-101-134G	W-100-134G	Gravity	1.3			0.24 (34.8)	250 (8.8)	145	200 (7.9)						
W-101-151S	W-100-151S	Suction	1.5	0.24 (34.8)	145 (5.1)	175	170 (6.7)		●	K1	1.5	295	Woodwork, furniture, metal		
W-101-151G	W-100-151G	Gravity	1.5			200	180 (7.1)		●						
W-101-152S	W-100-152S	Suction	1.5			225 (7.9)	170	175 (6.9)		●	H2	1.5	295	Automotive refinish, woodwork, furniture, metal	
W-101-152G	W-100-152G	Gravity	1.5					190	190 (7.5)					●	
W-101-181S	W-100-181S	Suction	1.8			170 (6.0)	210	170 (6.7)		●	N1	1.5	295	Woodwork, furniture, metal	
W-101-181G	W-100-181G	Gravity	1.8					240	190 (7.5)					●	

● All models, spray distance: 200mm ● Paint viscosity: 22 sec. (20 sec./NK-2). \* marked case: 16 sec. (12sec./NK-2) ● All models, fluid nipple: G1/4, air nipple: G1/4

**W-101-131S/G**

**W-101-132S/G**

**W-101-134S/G**

※ Three kinds of air cap sets are prepared for W-101 type 1.3mm spray guns.

Thicker film in the center of pattern and thinner on both ends.

Film is more uniform and thinner on the whole.

Suitable for overlapping spray several times. A wide pattern of high atomization, uniform mist dispersion and film thickness even at a short spray distance.



# Large type spray gun

# W-200

**① Lower atomizing air pressure and noise level**

We have reduced air noise level during operation by about 5dB (A) by reducing atomizing air pressure (at gun handle) by 0.05 MPa, in addition to reduction of overspray.

**② Improved atomization**

W-200-122P is easy to spray at line painting for high atomization. New W-200-182S can be used in a wide field such as automotive refinish and woodwork.

**W-200-152G**  
Gravity feed  
**PC-4**  
cup (option)



**W-200-122P**  
Pressure feed



**W-200-202S**  
Suction feed  
**PCL-10B-3**  
container (option)



Model	Previous model	Type of feed	Fluid nozzle orifice φ mm	Atomizing air pressure MPa (psi)	Air consumption l / min (cfm)	Fluid output ml / min.	Pattern width mm (inch)	High atomization	General atomization	Applied air cap model	Required air compressor kW	Mass g (lbs)	Application	
W-200-122P	W-87-12G2P W-90-12G2P	Pressure	1.2	0.29 (42.7)	560 (19.8)	500	400 (15.7)	●		G2P	2.2~3.7	380 (0.84)	Large workpieces and line painting such as large parts and vehicles	
W-200-151S	W-87-15K5S W-90-14J5S	Suction	1.5		200 (7.1)	240	210 (10.3)		●	K1	0.75~1.5		1.5~2.2	Woodwork, furniture, metal
W-200-151G	W-87-15K5G	Gravity					270	220 (8.7)						
W-200-152S	W-87-15K2S W-90-14J2S	Suction	1.8		330 (11.7)	240	290 (11.4)			K2				Automotive refinish, woodwork, furniture (finish), plastic (top coat)
W-200-152G	W-87-15K2G	Gravity					270	320 (12.6)	●					
W-200-182S	W-90-18N2S	Suction	2.0		260 (9.2)	350	260 (10.2)			R1				Metal, woodwork, furniture, medium viscosity
W-200-201S	W-87-20R5S W-90-18N5S	Suction					410	280 (11.0)	●					
W-200-201G	W-87-20R5G	Gravity	2.5		360 (12.7)	440	290 (11.4)		●	R2				Metal, woodwork, furniture, medium viscosity
W-200-202S	W-87-20R2S	Suction					410	320 (12.6)						
W-200-202G	W-87-20R2G	Gravity	2.5		360 (12.7)	510	280 (11.0)			W1				Metal, woodwork, furniture, anti-corrosion on steel frame, adhesives, high viscosity
W-200-251S	W-87-25W5S W-90-25W2S	Suction					310 (12.2)		●					
W-200-251G	W-87-25W5G	Gravity												

● All models, spray distance: 250mm ● Paint viscosity: 22 sec. (20 sec/NK-2). ● All models, fluid nipple: G3/8, air nipple: G1/4  
 Note) When you spray corrosive paints in a car maker or consumer electronics line (pressure feed) with a spray gun with large fluid output at high frequency, we prepare a fluid nozzle and fluid needle set made of anti-corrosive material.

# LPH-80/LPH-300/W-300/LPH-400/W-400



**Low pressure**  
Ultra small type center cup gravity feed spray gun  
**LPH-80**  
gravity feed  
**PCG-2D-1**  
cup (option)

**General purpose**  
small type center cup gravity feed spray gun  
**W-300-132G**  
gravity feed  
**PCG-2P-2**  
cup (option)

**Low pressure**  
small type center cup gravity feed spray gun  
**LPH-300-144LV**  
gravity feed  
**PCG-2P-2**  
cup (option)

**General purpose**  
large type center cup gravity feed spray gun  
**W-400-142G**  
gravity feed  
**PCG-6P-M**  
cup (option)

**Low pressure**  
large type center cup gravity feed spray gun  
**LPH-400-144LV**  
gravity feed  
**PCG-6P-M**  
cup (option)



New fluid nozzle mechanism  
(No.3359771 LPH-300/400LV)

### ① Well-balanced center of gravity

- As cup is situated at the top of spray gun, well-balanced center of gravity assures good fit to human hand.
- Total weight is 15% lighter than previous models. (LPH/W-400)

### ② With well-dispersed mist, spray pattern is flat and thin.

- You can get uniform film of water borne or high-solid paints which have been considered difficult to paint up to now.

### ③ Environment-friendly spray gun

- LPH-300/400 are environment-friendly low air volume low pressure spray guns with high transfer efficiency and little overspray.
- W-400 has achieved high transfer efficiency despite being general purpose guns since atomizing air pressure (at gun handle) has been reduced by 0.05 MPa~0.15MPa compared to previous models.

### ④ Fluid filter is fitted as standard accessory.

- 60 mesh filter prevents dust. (PCG-6P-M/PCG-2P-2)

Name	Model	Previous model	Type of feed	Fluid nozzle orifice φ mm	Atomizing air pressure MPa (psi)	Pressure in air cap MPa (psi)	Air consumption l/min (cfm)	Fluid output ml/min.	Pattern width mm (inch)	High atomization	General atomization	Applied air cap model	Required air compressor kW	Mass g (lbs)	Application																
Center cup gravity feed spray gun	W-300-081G		Gravity	0.8	—	—	80 (2.8)	60	100 (3.9)		●	E1	0.4~0.75	320 (0.71)	Light industry hobby																
	W-300-101G			1.0	0.24 (35.6)	—	145 (5.1)	100	130 (5.1)		●	K1	0.4~0.75		Automotive refinsh, woodwork furniture, metal plastic																
	W-300-132G			1.3	—	—	225 (7.9)	160	175 (6.9)	●		H2	0.75~1.5	380 (0.84)	Automotive refinsh (touch-ups~top coat)																
	W-400-122G	W-89-12K2G W-89-12K5G W-89-12R5G		1.2	0.20 (28.5) 0.29 (42.7)	—	280 (9.9)	140	230 (9.1)	●		LV2	1.5~2.2			380 (0.84)	Automotive refinsh (touch-ups~top coat)														
	W-400-132G			1.3	0.20 (28.5) 0.29 (42.7)	—	280 (9.9)	160	250 (9.8)	●								LV2	1.5~2.2	380 (0.84)	Automotive refinsh (touch-ups~top coat)										
	W-400-142G			1.4	0.20 (28.5) 0.29 (42.7)	—	280 (9.9)	210	280 (11.0)	●		LV2	1.5~2.2			380 (0.84)	Automotive refinsh (touch-ups~top coat)														
	W-400-162G	W-89-15K2G W-89-15K5G W-89-15R5G		1.6	0.20 (28.5) 0.29 (42.7)	—	280 (9.9)	240	300 (11.8)	●								LV2	1.5~2.2	380 (0.84)	Automotive refinsh (touch-ups~top coat)										
	W-400-182G	W-89-20R5G		1.8	0.20 (28.5) 0.29 (42.7)	—	290 (10.2)	320	280 (11.0)		●	LV1	1.5~2.2			380 (0.84)	Clear medium/ high viscosity														
	W-400-251G	W-89-25W5G		2.5	0.29 (42.7)	—	360 (12.7)	580	340 (13.4)		●	W1					1.5~2.2	380 (0.84)	Primer high viscosity												
Low pressure center cup gravity feed spray gun	LPH-300-124LV		Gravity	1.2	0.1 (14.2)	0.05 (7.1)	200 (7.1)	90 <sup>®</sup>	210 (8.3)	●		LV4	1.5~2.2	320 (0.71)	Automotive refinsh (touch-ups~block painting)																
	LPH-300-144LV			1.4	—	—	200 (7.1)	130 <sup>®</sup>	230 (9.1)	●						LV4	1.5~2.2	380 (0.84)	Automotive refinsh (touch-ups~block painting) base coat, top coat, clear												
	LPH-300-164LV			1.6	0.13 (18.5)	0.07 (10.0)	240 (8.5)	110	230 (9.1)	●		LV4	1.5~2.2	380 (0.84)	Automotive refinsh (touch-ups~block painting) base coat, top coat, clear																
	LPH-400-144LV			1.4	—	—	270 (9.5)	130	290 (11.4)	●						LV4	1.5~2.2	380 (0.84)	Automotive refinsh (touch-ups~block painting) base coat, top coat, clear												
	LPH-400-164LV			1.6	0.11 (15.7)	0.07 (10.0)	270 (9.5)	150	300 (11.8)	●		LV4	1.5~2.2	380 (0.84)	Automotive refinsh (touch-ups~block painting) base coat, top coat, clear																
Low pressure Ultra small type center cup gravity feed spray gun	LPH-80-042G		Gravity	0.4	—	—	—	8	40 (1.5)	●						E2	0.2~0.75	205	Automotive refinsh spot repair												
	LPH-80-062G			0.6	—	—	—	25	60 (2.3)	●		E2	0.2~0.75	205	Automotive refinsh spot repair																
	LPH-80-082G			0.8	0.09 (13.1)	0.07 (10.0)	50 (1.7)	40	80 (3.1)	●										E2	0.2~0.75	205	Automotive refinsh spot repair								
	LPH-80-102G			1.0	—	—	—	55	100 (3.9)	●														E2	0.2~0.75	205	Automotive refinsh spot repair				
	LPH-80-122G			1.2	—	—	—	80	120 (4.7)	●																		E2	0.2~0.75	205	Automotive refinsh spot repair
	LPH-80-044G			0.4	—	—	—	10	55	●																					
	LPH-80-064G			0.6	—	—	—	30	80	●						E4	0.2~0.75	205	Automotive refinsh spot repair												
	LPH-80-084G			0.8	0.1 (14.2)	0.07 (10.0)	60 (2.1)	45	100	●		E4	0.2~0.75	205	Automotive refinsh spot repair																
	LPH-80-104G			1.0	—	—	—	60	130	●										E4	0.2~0.75	205	Automotive refinsh spot repair								
	LPH-80-124G			1.2	—	—	—	75	140	●														E4	0.2~0.75	205	Automotive refinsh spot repair				

# W-300WB/W-400WB

We are facing an environmental issue on a global basis today, especially in the automotive refinishing market, whose paint trend is changing from solvent borne paints to waterborne paints in order to address such an issue.

To meet the need for change in today's automotive refinishing market, these spray guns have been developed to create optimum atomization for waterborne paints with particular features.

**Features:**

**1. Fluid nozzle design**

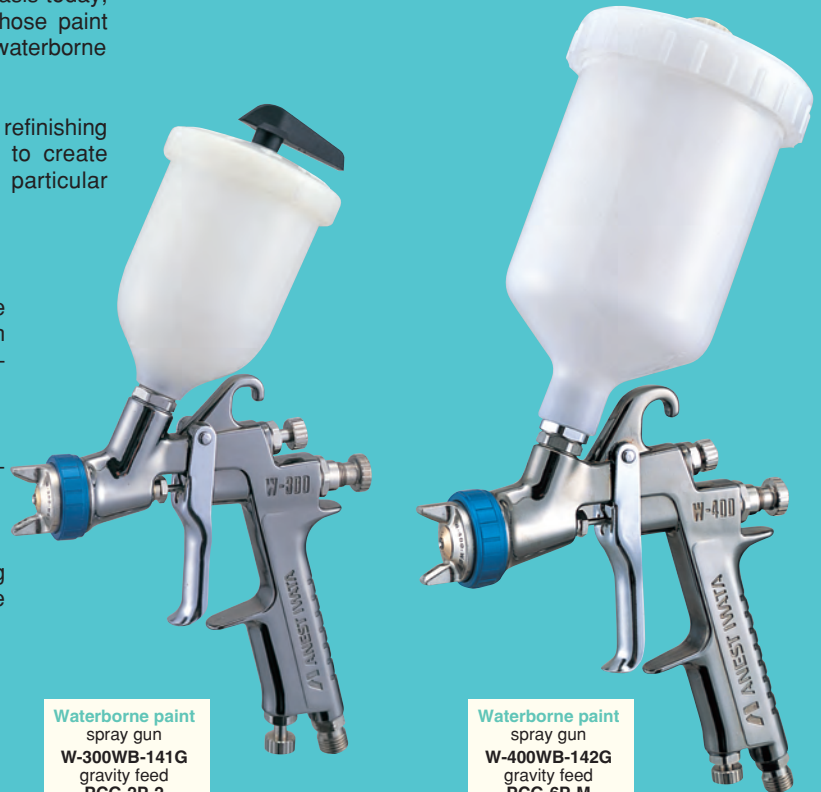
The patented concave and slit design fluid nozzle can help to create a fine and even atomization with lower air pressure and air consumption for waterborne paints which have higher viscosity.

**2. Special air cap**

The specially designed air cap for specific waterborne paints can create a thin and even pattern.

**3. Global recommendation**

These spray guns are recommended by leading paint manufacturers throughout the world as the designated spray gun for their waterborne paints.



Waterborne paint spray gun  
**W-300WB-141G**  
 gravity feed  
**PCG-2P-2**  
 cup (option)

Waterborne paint spray gun  
**W-400WB-142G**  
 gravity feed  
**PCG-6P-M**  
 cup (option)



New fluid nozzle mechanism  
 (No.3359771 W-300WB/400WB)

Name	Model	Type of feed	Fluid nozzle orifice φ mm (inch)	Atomizing air pressure MPa (psi)	Air consumption l/min (cfm)	Fluid output ml/min.	Pattern width mm (inch)	High atomization	General atomization	Applied air cap model	Required air compressor kW	Mass g (lbs)	Application
	W-300WB-141G		1.4	0.15 (21.8)	190 (6.7)	125	250 (9.8)	●	●	WB1	0.75~1.5	320 (0.71)	
	W-400WB-122G		1.2	0.18 (26.1)	300 (10.6)	140	290 (11.4)			●			
	W-400WB-132G		1.3				160	300 (11.8)	●		●	WB1	
	W-400WB-141G		1.4			230 (8.1)		290 (11.4)		●			
	W-400WB-142G		1.4	390 (13.8)	250	310 (12.2)	●	●	WB2				
	W-400WB-162G		1.6			340 (13.8)				380 (0.84)			

●All models, spray distance : 200mm ●Paint viscosity : 22 sec. (20 sec/NK-2)  
 ●As for W-400WB, fluid nipple M16 X 1.5 (male) , air nipple G1/4. As for W-300WB fluid nipple G1/4 (female) , air nipple G1/4.

# For Automotive Refinishing

## B-Sho Series

"B-Sho series", spray gun series for automotive refinishing, was developed from our thorough research with the object of improving maneuverability and of forming a fine film. Our field research in how our customers use spray guns, and in what kind of conditions led us to realize, what types of spray gun were wanted in the automotive refinishing market. If you seek "more" for automotive refinishing than our popular spray guns, such as the W-101 Series (General spray guns) and the LPH-101 Series (Low pressure spray guns), then the "B-Sho" series is for you.

### Lineup of Spray Guns for Automotive Refinishing

	Touch-up paint	Block paint	Whole body paint
Metallic / Pearl paint	W-50-124BPG	W-101-134BPG	—————
	W-101-101	W-101-134 or 132	W-101-152
	LPH-50	LPH-101-144BPG	LPH-101-164LV
Solid / Clear paint	W-50-124BPG	W-101-142BPG	—————
	W-101-101	W-101-131 or 132	W-101-152
	LPH-50	LPH-101-124 or 144LV	LPH-101-164LV
Primer surfacer / Anti-corrosion paint	—————	W-101-162BPG	—————
	W-101-131	W-101-151	W-101-181
	LPH-101-124LV	LPH-101-144LV	LPH-101-164LV

### Settings for the first time use

The following chart contains standard settings for "B-Sho series".

type	Air pressure (gauge) MPa	Fluid adj.knob (From full close)	Pattern adj.knob (From full close)	Air adj.knob (From full close)	Distance to the work mm
W-101-134BPG	0.2	full open	2 turns	2 turns	150~200
W-101-142BPG	0.25	full open	2.5 turns	2.5 turns	150~200
W-50-124BPG	0.15	full open	1.5 turns	1.5 turns	100~150
	0.20	full open	2 turns	2 turns	100~150

※1 The air pressure is the setting air pressure of Air transformer gauge when used with 10m air hose.

※2 All the number of turns of adj knobs are counted from zero, full close.

※3 W-50-124BPG Air pressure(gauge)  
for metallic/pearl paint:0.15MPa for solid/clear paint:0.20MPa

Model	Previous model	Types of feed	Fluid nozzle orifice φmm	Atomizing air pressure MPa <sup>※1</sup> (psi)	Air Pressure in air cap MPa (psi)	Air consumption l/min (cfm)	Fluid output ml/min <sup>※3</sup>	Pattern width mm (inch) <sup>※3</sup>	High atomization	General atomization	Applied air cap model	Required air compressor kW	Mass g (lbs)	Applicationl
W-50-124BPG	—	Gravity	1.2	0.15 (22.8)	-	70 (2.5)	85	160 (6.3)	●		50	0.4	185 (9.4)	Paint for Automotive refinishing
W-101-134BPG	W-100-134BPG	Gravity	1.3 <sup>※2</sup>	0.20 (29.0)	-	160 (5.7)	140	250 (9.8)	●		BP4	1.5	295 (0.7)	Metallic/pearl paint
LPH-101-144BPG	—	Gravity	1.4	0.1 (14.2)	0.05 (7.2)	200 (7.1)	130	220	●		LPH BP4	1.5~2.2		Solid/clear paint
W-101-142BPG	W-100-142BPG	Gravity	1.4	0.24 (34.8)	-	230 (8.1)	200	270 (10.6)	●		BP2	1.5		Primer/surfacer paint
W-101-162BPG	—	Gravity	1.6	0.20 <sup>※3</sup> (29.0)	-	210 (7.4)	120	170 (6.7)	●		162 BP2	1.5		

※1 Atomizing air pressure is pressure readings at hand.

※2 The fluid nozzle for W-101-134BPG is incompatible.

※3 Paint viscosity is 40 sec. (40sec./NK-2) for primer surfacer paints.

※4 Paint viscosity is 22 sec. (20sec./NK-2).

Note) Paint viscosity is 12 seconds that is measured by NK-2 viscosity meter using automotive refinishing paint.

## B-Sho series GOLD

### "GOLD for metallic/pearl paint"

- Less darkening of the coating by reducing scatterings.
- Realizes high atomization with low pressure.
- Less paint adhesion to the air cap.



**W-101-134BPG**

### "LVLP GOLD"

- Optimal atomization in low volume , low pressure per new fluid nozzle.
- Improving working environment by less over spray.
- Reducing working process for example minimal masking area.



**LPH-101-144BPG**

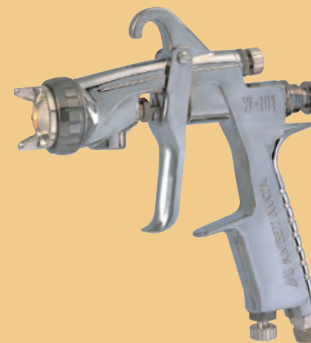


New fluid nozzle mechanism  
(No.3359771)

## B-Sho series SILVER

### "SILVER for solid/clear paint"

- The film is thicker in the middle, therefore you can make thick and shiny coating easily.
- The film is thinner on both ends, and that reduces uneven coating.

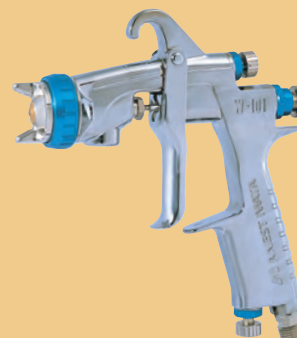


**W-101-142BPG**

## B-Sho series B.B.

### "Exclusive spray guns for base coat process"

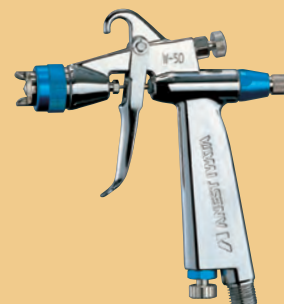
- Fluid needle is quenched to increase its strength in the same as with pressure feed type.
- Fluid nozzle orifice suitable for base coat paints, stable paint particles and stable spray pattern have reduced spitting and shortened polishing time.



**W-101-162BPG**

### "Exclusive spray guns for small area and top coating"

- Less darkening of the coating by reducing scatters.
- Realizes high atomization with low pressure.
- Less paint adhesion to the air cap.



**W-50-124BPG**

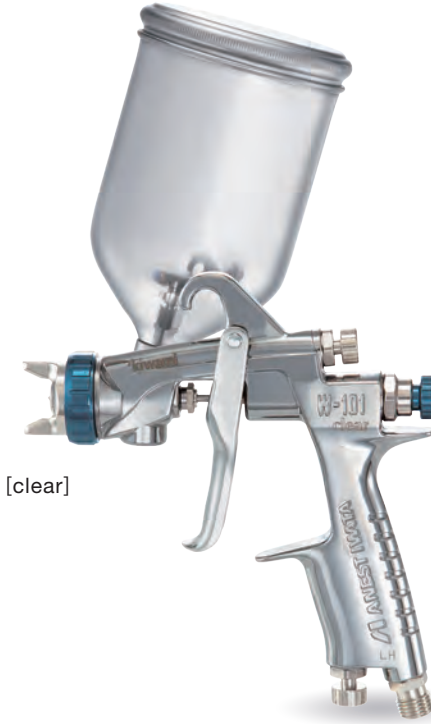
# Automotive Refinishing Spray Gun

# 'kiwami' SERIES

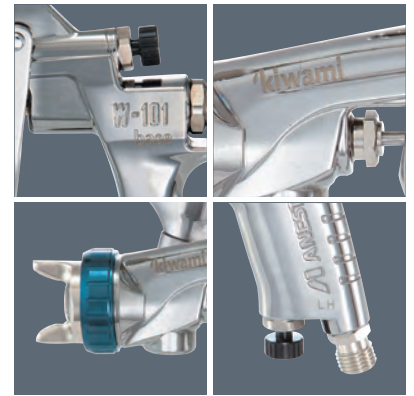
This series is specialized for today's eco friendly paint such as 1K low solvent base coat and high solid clear etc. Today's eco friendly paint has higher coverage capability so that coverage is completed with less passes by the painter, and contains lower VOC. To bring out these paint features maximally, this series can offer exceptional wet coat coverage by utilizes it's flat & wide pattern.



[base]



[clear]



**W101-138BGC /  
W101-148BGC**

## Item

Application	BASE COAT	CLEAR COAT	
Model	W101-138BGC	W101-148BGC	
Set Includes	Spray gun	W-101-138BG	W-101-148BG
	Cap	PC-400S-2LF	PC-400S-2LF
	Other accessories	Spanner	Spanner

## Specifications

Model	fluid nozzle orifice	Atomizing air pressure	Air consumption	Pattern adj.knob	Fluid output	Pattern width	Applied air cap model	Required air compressor	Mass
	mm	MPa	ℓ /min	From full close	m ℓ /min	mm		kw	g
[BASE] W-101-138BG	φ1.3	0.20	230	2.5 turns (usual)	150	220	B8	1.5~2.2	295
				6 turns (full open)	185	260			
[CLEAR] W-101-148BG	φ1.4	0.20	230	2.5 turns (usual)	160	225	B8	1.5~2.2	295
				6 turns (full open)	200	275			

●Spray distance is 200mm ●Paint viscosity is 12sec.(12sec/NK-2) ●As for W/LPH-101, fluid nipple G1/4 (female), air nipple G1/4.  
※1 The number of turns of fluid adj knob is counted from zero, full close. (Pattern and Air adj. Knobs are full open)  
※2 Cup is PC-400S-2LF. (400ml, Stainless, Free-angle)

## W101-136BGC / W-101-136BG

### Item

fluid nozzle orifice	φ1.3	
Model	W101-136BGC	
Set Includes	Spray gun	W-101-136BG
	Cap	PC-400S-2LF
	Other accessories	Spanner

### Specifications

Model	fluid nozzle orifice	Atomizing air pressure	Air consumption	Pattern adj.knob	Fluid output	Pattern width	Applied air cap model	Required air compressor	Mass
	mm	MPa	ℓ /min	From full close	m ℓ /min	mm		kw	g
W-101-136BG	φ1.3	0.20	230	3 turns (usual)	170	245	B6	1.5~2.2	295
				6 turns (full open)	190	260			

●Spray distance is 200mm ●Paint viscosity is 12sec.(12sec/NK-2)  
●As for W/LPH-101, fluid nipple G1/4 (female), air nipple G1/4.  
※1 The number of turns of fluid adj knob is counted from zero, full close. (Pattern and Air adj. Knobs are full open)  
※2 Cup is PC-400S-2LF. (400ml, Stainless, Free-angle)



# Optimized 'kiwami' SERIES model by paint manufacture.



We created "A ultimate tool" by making improvement and referring to the advice of paint manufactures' field support members who are working on the front line of refinish coating.

## Nozzle chart of Kansai Paint

This gun is optimized for "Retain PG Hybrid Eco/HS system" from standard 'kiwami series.



### Item

fluid nozzle orifice		φ 1.3	φ 1.4
Model		W101-136KPGC	W101-146KPGC
Set includes	Spray gun	W-101-136KPG	W-101-146KPG
	Cap	PC-400S-2LF	PC-400S-2LF
	Other accessories	Spanner	Spanner

Hybrid

RETAN PG HYBRID ECO

W101-136KPGC / W101-146KPGC



### Specifications

Model	Type of feed	fluid nozzle orifice	Atomizing air pressure	Air consumption	Pattern adj.knob	Fluid output	Pattern width	Applied air cap model	Required air compressor	Mass
		mm	MPa	ℓ / min	From full close	m ℓ / min	mm			
W-101-136KPG	Gravity	Φ1.3	0.20	200	3 turns (usual)	140	220	KP5	1.5~2.2	295
					6 turns (full open)	165	240			
W-101-146KPG	Gravity	Φ1.4	0.20	200	3 turns (usual)	150	225	KP5	1.5~2.2	295
					6 turns (full open)	170	245			

● Spray distance is 200mm ● Paint viscosity is 12sec. (12sec/NK-2) ● As for W/LPH-101, fluid nipple G1/4 (female), air nipple G1/4.  
 ※1 The number of turns of fluid adj knob is counted from zero, full close. (Pattern and Air adj. Knobs are full open)  
 ※2 Cup is PC-400S-2LF. (400ml, Stainless, Free-angle)

## Nozzle chart of Nippon Paint

This gun is optimized for "Nax Real e3 System" from standard 'kiwami series.



### Item

fluid nozzle orifice		φ 1.3	φ 1.4
Model		W101-136NPGC	W101-146NPGC
Set includes	Spray gun	W-101-136NPG	W-101-146NPG
	Cap	PC-400S-2LF	PC-400S-2LF
	Other accessories	Spanner	Spanner

REAL  
one-pack type acrylic resin basecoat

W101-136NPGC / W101-146NPGC



### Specifications

Model	Type of feed	fluid nozzle orifice	Atomizing air pressure	Air consumption	Pattern adj.knob	Fluid output	Pattern width	Applied air cap model	Required air compressor	Mass
		mm	MPa	ℓ / min	From full close	m ℓ / min	mm			
W-101-136NPG	Gravity	Φ1.3	0.15	160	3 turns (usual)	115	155	NP5	1.5~2.2	295
					6 turns (full open)	120	165			
W-101-146NPG	Gravity	Φ1.4	0.15	160	3 turns (usual)	115	155	NP5	1.5~2.2	295
					6 turns (full open)	120	165			

● Spray distance is 150mm ● Paint viscosity is 11sec. (12sec/NK-2) ● As for W/LPH-101, fluid nipple G1/4 (female), air nipple G1/4.  
 ※1 The number of turns of fluid adj knob is counted from zero, full close. (Pattern and Air adj. Knobs are full open)  
 ※2 Cup is PC-400S-2LF. (400ml, Stainless, Free-angle)

# 'kiwami SERIES 'kiwami mini



## W-50-136BGC

Launch new small size of 'kiwami SERIES.

'kiwami mini succeed to flat and wide pattern to make use of the feature of environmentally considerate paint such as 1K base coat, etc.

And we gather the best that advanced atomization technology has to offer for this gun to reach the highest, 'kiwami in Japanese.

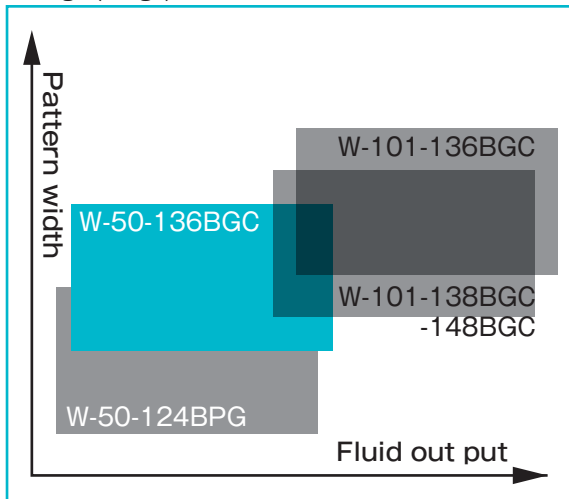


Even if the gun body is small, the gun succeeds to flat and wide pattern.

We developed atomization quality so that coating result would be the same level of the other 'kiwami SERIES as good leveled surface.

Gun body is plated twilight chrome plate to symbolize 'kiwami SERIES. And the profound gross plate arranges to appearance of fine quality.

### Range (image)



Lower air pressure  
'kiwami mini's pattern width keep larger comparing with W-101's pattern width

	W-50-136BGC	W-101-136BGC
Atomizing air pressure (Mpa/psi)	0.1(14.5)	0.1(14.5)
Fluid adj	2 rotation	2 rotation
Spray distance (mm)	100	100
Air consumption (l/min/cfm)	55(1.9)	150(5.3)
Fluid output (ml/min)	40	80
Pattern width (mm/inch)	129(5.1)	110(4.3)

Standard air pressure

	W-50-136BGC	W-101-136BGC
Atomizing air pressure (Mpa/psi)	0.15(21.8)	0.2(29.0)
Fluid adj	2.5 rotation	2.5 rotation
Spray distance (mm)	150	200
Air consumption (l/min/cfm)	70(2.5)	230(8.1)
Fluid output (ml/min)	70	145
Pattern width (mm/inch)	190(7.5)	240(9.4)

### Range (image)

Model	Type of feed	Fluid nozzle orifice (mm)	Atomizing air pressure (Mpa/psi)	Air consumption (l/min/cfm)	Fluid output (ml/min)	Pattern width (mm/inch)	Applied air cap	Required compressor (kw)	Mass (g)
W-50-136BGC	Gravity	1.3	0.15(21.8)	190(7.5)	70	190(7.5)	W-50-B6	0.4	195

※Cup is PC-150SB-2LF (130ml,SUS, Free-angle)





*Super*  
**NOVA™**

**WS-400**  
evo

*Super*  
**NOVA™**

**LS-400**  
entech®

designed by *pininfarina*

*A new constellation  
for professional sprayers*



environment first



HVLP

Countries where 0,7 bar (10 psi) inside air cap is mandatory, users with environment and green economy in mind will appreciate new Supernova Entech spray gun: new unique design, Anest Iwata pre-atomization nozzle technology which we call SPLIT NOZZLE™, is able to deliver flat and thin large and optimized wet controlled spray pattern. The air cap/nozzle sets for Dry and Wet weather conditions allow the use in each environmental and temperature conditions.



100% Stainless Steel fluid passage

NOT Plated or Anodized Alluminium or Brass!

**ANEST IWATA SPLIT NOZZLE atomization technology**



**SPLIT NOZZLE**, This innovative technology has continued to evolve and in doing so increases your spraying experience..... Plus this technology promises an easy and premium painting job with its WET CONTROL nozzle system.

Lower pressure and lower air consumption. A Long flat uniformed spray pattern with a

fine and consistent droplet enables an easy-to-control painting overlap which achieves a premium quality paint job every time.

**SPLIT NOZZLE** The atomizing air flow cuts the paint stream like a knife and controls the droplets efficiently... Working at a lower pressure enables lower air consumption through the flat tip nozzle system.

**Perfect balance**

For the first time, the angle of the cup has been designed with both disposable and standard cups in mind.

The SUPERNOVA design guarantees perfect balance, even when using disposable cups which, being wider and sometimes longer, could affect balance.

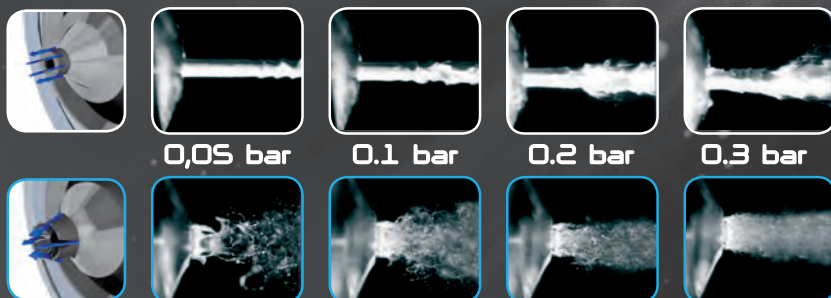
**Quick and easy release cap**

No need for a removable baffle on the front of the gun, which means fewer spare parts!

The air cap has a larger thread, making it both robust and easy to remove and it has been designed with low maintenance in mind.

The new, larger slots in the air cap ring facilitate quick removal and refitting after cleaning.

**Standard**



**Split nozzle**

A long flat uniform spray pattern with a fine and consistent droplet size achieves an easily controlled paint overlap, this also gives you a premium quality application of all paints with its superior wet control.



efficacy first



evotech®

WS-400  
evo

COMPLIANT

The astonishing range of set ups, both for base coat (WB or HS) and clear coat, make the SUPERNOVA EVOTECH suitable to spray in every climatic condition with optimized atomization. ANEST IWATA exclusive pre-atomization split nozzle technology allows large spray pattern, with same particles size both ends of the spray pattern, and makes it easy to adjust the speed and distance according to the needs.

New and improved easy release paint cup system

The new locking thread system enables you to experience a secure and precise screwing and unscrewing of the paint cup.

Reliable and Precise setting

SUPERNOVA has new sturdy constructed high precision adjusters. The carefully designed grip delivers the professional painter a reliable and more importantly comfortable feeling even when wearing latex gloves.



Responsive Trigger Action

The responsive trigger action gives the painter complete control when applying tricky basecoats and final coats.



Superior surface quality Ergonomic grip

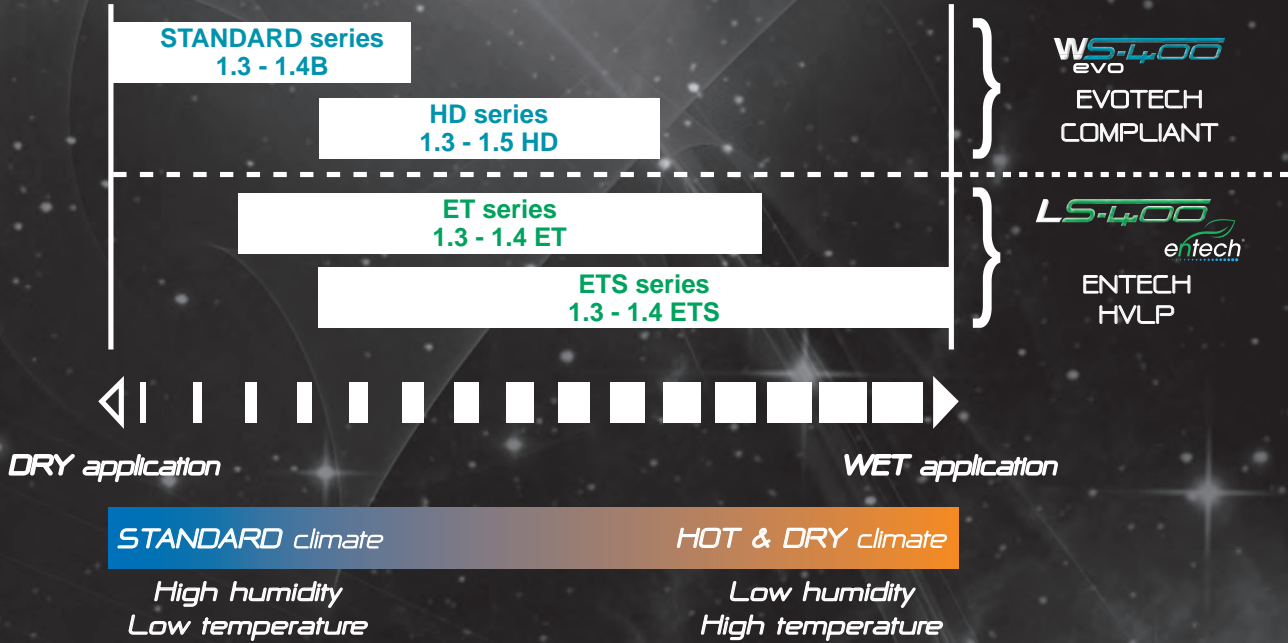
The slim ergonomic grip of the SUPERNOVA spray gun helps distribute weight and balance through the wrist, reducing the risk of repetitive strains.

Atomization Technology	Product	Feature	Nozzle Variation
<p>Compliant (EPA approved)</p>	<p>WS-400 EVO</p>	Evotech atomizer (WS-400 evo) creates consistent amounts of extreme fine paint droplets, and lays them down consistently onto the substrate painting surface. It gives you a controlled application speed while achieving a great premium quality finish. This atomizer is EPA approved (compliant)	Standard delivery series. For standard spray application 1.3~1.4B/C, 1.3 OBS
			HD series For wetter spray application 1.3~1.5HD
<p>HVLP</p>	<p>LS-400 ENTECH</p>	Entech atomizer (LS-400 entech) is a new generation of HVLP atomizer's and is designed to have the maximum potential for a HVLP system with the new ANEST IWATA concept (Wet control). <ul style="list-style-type: none"> <li>• Low paint consumption</li> <li>• Extremely low spray noise</li> <li>• Optimized nozzle with Spray distance &amp; wetness</li> </ul> Two series of nozzle (ET & ETS) <ul style="list-style-type: none"> <li>• Wider working climate range (Hot &amp; Dry climate compatible)</li> </ul>	ET series For standard spray application. ET 1.2~1.5
			ETS series (form 1.2~1.5) For wetter & long spray distance application ETS 1.2-1.5

# SUPERNOVA PROJECT AN EVOLVING INTELLIGENCE

SUPERNOVA offer to sprayers the most evolved and sophisticated range of atomizations, thanks to its unique SPLIT NOZZLE principles.  
If you are spraying diffi cult water borne metallic base coats in extreme humidity conditions or extreme temperature conditions, you can choose the most suitable atomizer.

## Supernova series application and climate



Model	Ø mm	MPa	ℓ/min	mℓ/min	MIN	MAX	MAX	No.	g	Type of application	
<b>WS-400 EVO</b>											
WS-400-1301B-S1	BASE 1.3	0.2	370	140	spray distance 130 mm	260	365	WS-400-01	695 with cup	Standard application	
WS-400-1301C-S1	CLEAR 1.3			170							
WS-400-1401B-S1	BASE 1.4			190							
WS-400-1401C-S1	CLEAR 1.4			220	spray distance 200 mm	365					
WS-400-1301BHS1	1.3 HD			240							
WS-400-1301CHS1	1.3 HD			260							
WS-400-1401BHS1	1.4 HD			270	spray distance 300 mm	370					
WS-400-1401CHS1	1.4 HD			275							
WS-400-1501BHS1	1.5 HD			-							
WS-400-1501CHS1	1.5 HD			-							
<b>LS-400 ENTECH</b>											
LS-400-1305-S1	ET 1.3	0.18	400	160	spray distance 130 mm	250	350	LS-400-05	695 with cup	Standard application	
LS-400-1405-S1	ET 1.4			170							260
LS-400-ETS13-S1	ETS 1.3			160	235	310	400				
LS-400-ETS14-S1	ETS 1.4			180						410	
											475 without cup

Max. working pressure: 7.0 bar    Temperature range: 5-40° C    Air nipple: G 1/4" M    Fluid nipple: G 1/4" F

# Small and medium spray guns

## W-71/W-61/W-77

● Delivery conditions of these models will be longer in some cases.



**W-71-1S**  
suction feed  
PCL-10B-2  
container  
(option)



**W-61-3G**  
gravity feed  
PC-4S  
cup (option)



**W-77-02**  
pressure  
feed

How to read model names

Ex. **W-77-21G**

- Type of feed: G : Gravity type, S : Suction type
- 1, 2, 3: general purpose
- 11, 12, 31: high quality painting
- 0 (zero): mass production painting
- gun body: W71, W61 : small, W77 : medium

Model	Type of feed	Fluid nozzle orifice φ mm	Spray distance mm (inch)	Atomizing air pressure MPa (psi)	Air consumption l / min (cfm)	Fluid output ml / min.	Pattern width mm (inch)	Required air compressor kW	Mass g (lbs)	Standard container or cup						
Small spray guns	W-71-0	Pressure	0.8	200 (7.9)	0.34 (49.8)	240 (8.5)	200	190 (7.5)	1.5	Paint tank, diaphragm paint pump						
			1.0			230 (8.1)	300	265 (10.4)								
	W-71-1S	Suction	1.0		0.29 (42.7)	75 (2.6)	95	100 (3.9)	0.4		450 (0.99)	Container PC-1S (1000 ml) PC-2 (600 ml) PC-3 (400 ml) PCL-10B-2 (1000 ml) PCL-7B-2 (700 ml)				
			1.3			85 (3.0)	135	135 (5.3)								
			1.5			165 (5.8)	180	170 (6.7)								
			1.3			195 (6.9)	140	155 (6.1)	1.5							
			1.5			230 (8.1)	170	170 (6.7)								
			1.8			230 (8.1)	195	195 (7.7)								
	W-71-1G	Gravity	1.0		0.29 (42.7)	75 (2.6)	110	120 (4.7)	0.4		450 (0.99)	Side mount cup PC-4S (400 ml) PC-5 (250 ml) PCG-6P-2 (600 ml) PC-51 (220 ml) (stainless steel) PC-61 (130 ml) (stainless steel) PC-150S-2LF PC-400S-2LF PC-250S-2LF				
			1.3			85 (3.0)	155	155 (6.1)								
			1.5			165 (5.8)	210	185 (7.3)								
			1.3			195 (6.9)	160	165 (6.5)	1.5							
			1.5			230 (8.1)	190	185 (7.3)								
			1.8			230 (8.1)	220	220 (8.7)								
W-61-0	Pressure	0.8	200 (7.9)	0.34 (49.8)	200 (7.1)	200	190 (7.5)	1.5	420 (0.92)	Paint tank, diaphragm paint pump						
		1.0			75 (2.6)	95	100 (3.9)									
	W-61-1S	Suction		1.3	0.29 (42.7)	85 (3.0)	135	135 (5.3)			0.4	420 (0.92)	Container PC-3 (400 ml) PC-1S (1000 ml) PCL-10B-2 (1000 ml) PC-2 (600 ml) PCL-7B-2 (700 ml)			
				1.5		150 (5.3)	160	185 (7.3)								
				1.0		75 (2.6)	110	120 (4.7)						0.4		
	W-61-1G	Gravity		1.3	85 (3.0)	155	155 (6.1)									
				1.5	150 (5.3)	190	220 (8.7)	0.75								
1.8			150 (5.3)	190	220 (8.7)											
Medium spray guns	W-77-0	Pressure	1.2	250 (9.8)	0.34 (49.8)	430 (15.2)	480		445 (17.5)	2.2~3.7	550 (1.21)	Paint tank, diaphragm paint pump				
			1.5			420 (14.8)		255	400 (15.7)							
	W-77-1S	Suction	1.5			180 (6.4)	0.34 (49.8)		210 (8.2)	345			210 (8.2)	0.75~1.5	420 (0.92)	Container PC-1 (1000 ml) PCL-10B-3 (1000 ml) PCL-7B-3 (700 ml) PC-19R (1000 ml)
			2.0			290 (10.2)		260 (10.2)	230 (9.1)				2.2~3.7			
			2.5			370 (13.1)		230 (9.1)	230 (9.1)							
			2.5			250 (8.8)		340 (12.0)	350				270 (10.6)			
	W-77-1G	Gravity	1.5			325 (11.5)	435	280 (11.0)	285	280 (11.0)			0.75~1.5	550 (1.21)	Side mount cup PCG-6P-3 (600 ml) PC-4 (400 ml)	
			2.0			290 (10.2)	290 (11.4)	290 (11.4)		1.5~2.2						
			2.5			370 (13.1)	255 (10.0)	255 (10.0)								2.2~3.7
			2.0			250 (8.8)	390	290 (11.4)		1.5						
			2.5			340 (12.0)	335 (13.2)	335 (13.2)								1.5~2.2
			2.5			325 (11.5)	485	330 (13.0)		1.5~2.2						

# Automatic spray guns

Spray guns for mass production which are used with automatic painting equipment, reciprocators or painting robots

### LPA-101

Compact type  
low pressure  
automatic gun



### LPA-200

Large type  
low pressure  
automatic gun



### WA-200

Large type  
automatic gun



### SGA-101

Mini type  
automatic gun  
(air piston type)  
for intermittent  
painting



### WA-101

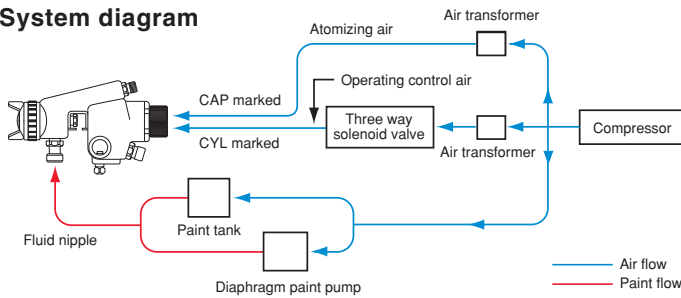
Compact type  
automatic gun

### WA-101R

Round pattern  
automatic gun



### System diagram



### WA-0609

internal coating  
automatic gun

Model	Length of extension nozzle (A)	Pipe dia	Pattern curve degree ( $\theta$ )
WA-1218	180mm	12mm	about 19°
WA-0915	150mm	9mm	about 14°
WA-0609	90mm	6mm	about 4°

## Compact type high performance automatic guns

- ① You can change and remote control pattern width during painting by controlling center air and horn air independently, resulting in reduced overspray.
- ② You can circulate paints such as metallic paints which deposit in a short time.
- ③ Compact gun body needs small installation space and can be used with automatic painting equipment including painting robot.

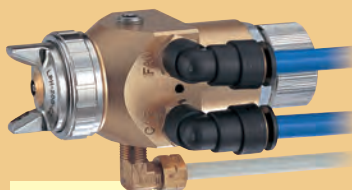
### [Caution]

- ① As this automatic gun has no built-in air valve, refer to system diagram on the right.
- ② Joints are available on the market.

**WRA-101**  
Compact type

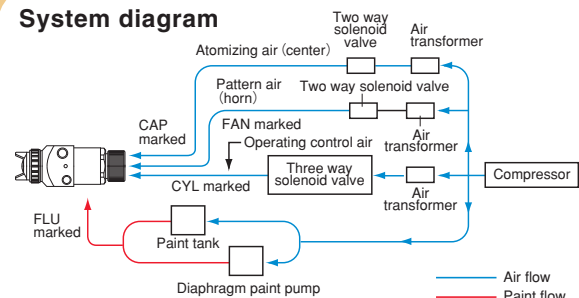


**WRA-200**  
Large type



**LRA-200**  
low pressure

### System diagram

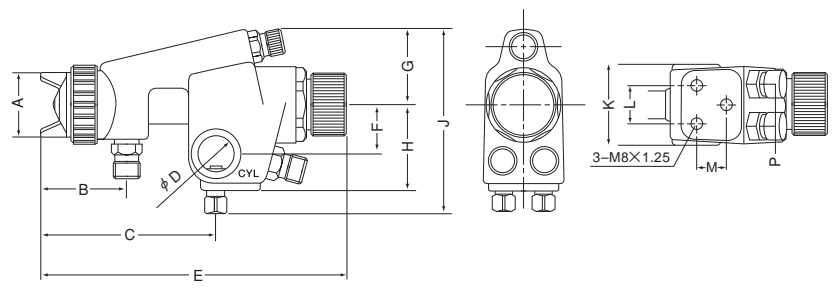


	Model	Name	Type of feed	Fluid nozzle orifice Φ mm	Spray distance mm (inch)	Air pressure at gun inlet MPa (psi)	Air pressure in air cap MPa (psi)	Air consumption l/min (cfm)	Fluid output ml/min.	Pattern width mm (inch)	Applied air cap model	Required air compressor kW	Mass g (lbs)	Application		
General purpose automatic gun	SGA-101	Compact	Pressure	1.0	—	0.24 (35.6)	—	80 (2.8)	—	—	E1	0.4~	270 (0.59)	Mold release agents, water borne solvent		
	WA-101-082P (V)	Small		0.8	200 (7.9)	0.29 (42.7)	—	—	270 (9.5)	150	190 (7.5)	E2P	1.5~	460 (1.01)	Small workpieces	
	WA-101-101P (V)			1.0					90 (3.2)	100	140 (5.5)	E1	0.75~		Small fluid output	
	WA-101-102P (V)			1.3					270 (9.5)	200	220 (8.7)	E2P	1.5~		Small workpieces	
	WA-101-132P (V) ※			1.2					260 (9.2)	250	230 (9.1)	H2				
	WA-200-122P (V)	Large		1.2	250 (9.8)	0.29 (42.7)	—	—	530 (18.7)	500	400 (15.7)	G2P	2.2~	500 (1.1)	Large workpieces	
	WA-200-152P ※			1.5					330 (11.7)	270	340 (13.4)	K2				
	WA-200-202P ※			2.0					360 (12.7)	400	320 (12.6)	R2				
	WA-200-251P ※			2.5						500	330 (13.0)	W1				
	WA-101R-05P (V)	Round pattern		Pressure	0.5	200 (7.9)	—	—	40 (1.4)	20	35 (1.4)	—	0.2~0.4	440 (0.97)	Small workpieces, touch-ups	
	WA-1218	Internal coating		Pressure (Gravity)	0.6	200 (7.9)	0.29 (42.7)	—	—	73 (2.6)	17	48 (1.9)	—	0.4	555 (1.22)	Internal coating of small tube
	WA-0915				0.5					55 (1.9)	9	36 (1.4)	—		510 (1.12)	
	WA-0609				48 (1.7)					6	32 (1.3)	—	475 (1.05)			
	WA-200-201ZP	Ceramic		Pressure	2.0	250 (9.8)	0.34 (49.8)	—	500 (17.7)	760	370 (14.6)	R1Z	2.2~3.7	500 (1.1)	Ceramic enamels, abrasives similarly abrasive fluids	
WA-200-251ZP	R1Z															
Low pressure automatic gun	LPA-101-101P (V)	Small	Pressure	1.0	200 (7.9)	0.26 (38.4)	0.07 (10.0)	430 (15.2)	150	200 (7.9)	E1	2.2~3.7	460 (1.01)	Small workpieces		
	LPA-200-122P (V)	Large		1.2		0.20 (28.4)		500 (17.7)	500	300 (11.8)	G2		500 (1.1)	Large workpieces		
Mounted on robot	WRA-101-082P (V)	Small	Pressure	0.8	200 (7.9)	Atomizing air 0.26 (38.4) Pattern air 0.22 (31.3)	—	270 (9.5)	150	190 (7.5)	E2P	1.5	300 (0.66)	Small workpieces		
	WRA-200-122P (V)	Large		1.2	250 (9.8)	0.24 (34.1) 0.26 (38.4)		500	400 (15.7)	G2P	2.2~3.7	325 (0.72)	Large workpieces			
	LRA-200-122P (V)	Low pressure			200 (7.9)	0.14 (19.9) 0.16 (22.8)								0.07 (10.0)	500 (17.7)	300 (11.8)

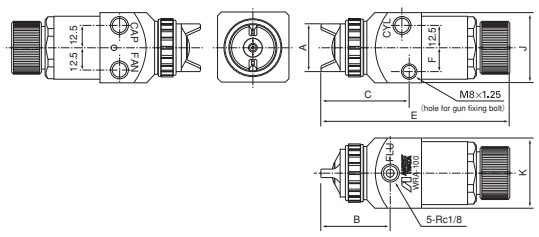
Note) ※ marked WA-101 and 200 models are used as either gravity feed or suction feed. (Fluid output shows gravity feed type)  
Regarding (V) marked models, you can select them equipped with locknut type fluid adj. set (stepless adj. system).  
Fluid nipple: G1/4 for WA-101/LPA-101 and G3/8 for WA-200/LPA-200.  
Air nipple: G1/4 for all models but WRA and LRA are without both fluid and air nipples.

### Automatic spray guns

Fitting dimensions (mm)



Dimensional drawing for WRA and LRA



Model	A	B	C	D (Φ)	E	F	G	H	J	K	L	M	P
WA-101	27	44.5	85.5	16	147	23.5	36	40.5	86	38	18	14.5	20
WA-101R	27	37.5	79	16	140.5	23.5	35	40.5	85	38	18	14.5	20
WA-200	30.5	47.5	89	16	148.5	23.5	36	40.5	86	38	18	14.5	20
LPA-101	27	47	88.5	16	150	23.5	36	40.5	86	38	18	14.5	20
LPA-200	30.5	47.5	89	16	148.5	23.5	36	40.5	86	38	18	14.5	20
WRA-101	27	40	51	—	109	14.5	—	—	40	40	—	—	—
WRA-200	30.5	48	56	—	111	14.5	—	—	40	40	—	—	—
LRA-200	30.5	48	56	—	111	14.5	—	—	40	40	—	—	—
SGA-101	27	—	34	10	—	34	—	—	—	—	—	—	—
WA-1218	12	—	266	16	—	23.5	—	—	—	—	—	—	—
WA-0915	9	—	235	16	—	23.5	—	—	—	—	—	—	—

Position to attach gun stay differs from the above drawing.

### Diaphragm paint pump with elevated stand

- Stand type which can move pump itself upwards or downwards. It is easy to replenish paint.
- Most suitable when you supply paints to multiple color painting line by placing several sets in a row.

**DPS-90LE**

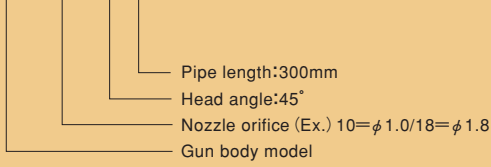
Paint tank would not be attached in product. Agitator would be provided as option item.

# Extension nozzle gun

For painting internal surfaces of pipes and other hard-to-reach places.

How to read model names

Ex. LW-10B-4530



LW-10B-0030

LW-18B-9015  
PC-17R  
Pressure feed container (option)

Model	Previous model	Fluid nozzle orifice $\phi$ mm	Applied air cap	Type of atomization	Atomizing air pressure MPa (psi)	Fluid output ml/min.	Spray distance mm (inch)	Head angle °	Pipe length mm (inch)	Air consumption l/min (cfm)	Pattern width mm (inch)	Mass g (lbs)		
LW-10B-0015	L88-0015	1.0	E1	Fan pattern only	0.29 (42.7)	150	200 (7.9)	0	150 (5.9)	90	175 (6.9)	520 (1.14)		
LW-10B-0030	L88-0030								300 (11.8)					
LW-10B-0050	L88-0050								500 (19.7)					
LW-10B-4515	L88-4515							45	150 (5.9)				570 (1.25)	
LW-10B-4530	L88-4530								300 (11.8)					
LW-10B-4550	L88-4550								500 (19.7)					
LW-10B-9015	L88-9015							90	150 (5.9)					640 (1.41)
LW-10B-9030	L88-9030								300 (11.8)					
LW-10B-9050	L88-9050								500 (19.7)					
LW-18B-0015	(L87-0015)	1.8	N1	Fan pattern only	0.34 (49.8)	250	250 (19.8)	0	150 (5.9)	210 (7.4)	185 (7.3)	570 (1.25)		
LW-18B-0030	(L87-0030)								300 (11.8)					
LW-18B-0050	(L87-0050)								500 (19.7)					
LW-18B-4515	(L87-4515)							45	150 (5.9)				640 (1.41)	
LW-18B-4530	(L87-4530)								300 (11.8)					
LW-18B-4550	(L87-4550)								500 (19.7)					
LW-18B-9015	(L87-9015)							90	150 (5.9)					570 (1.25)
LW-18B-9030	(L87-9030)								300 (11.8)					
LW-18B-9050	(L87-9050)								500 (19.7)					

● Type of feed: pressure feed ● All models, fluid nipple: G1/4, air nipple: G1/4

# Ceramic spray gun

Both fluid nozzles and tips of fluid needles are made of tungsten carbide.

WA-200-ZP  
automatic  
gun



W-200-ZP  
hand gun



Model	Fluid nozzle orifice $\phi$ mm	Air consumption l/min (cfm)	Fluid output ml/min.	Pattern width mm (inch)	Applied air cap	Required air compressor kW	Mass g (lbs)
WA-200-201ZP	2.0	500 (17.7)	760	370 (14.6)	R1Z	2.2~3.7	500 (1.1)
WA-200-251ZP	2.5						
W-200-201ZP	2.0	500 (17.7)	760	370 (14.6)	R1Z	2.2~3.7	390 (0.86)
W-200-251ZP	2.5						

● Usage

Most suitable for spraying ceramic enamels, abrasives and similarly abrasive fluids.

● Type of feed: pressure feed ● Spray distance: 250mm (19.8 inch)  
● Atomizing air pressure: 0.34MPa (3.5kgf/cm<sup>2</sup>/50psi) ● Pattern shape: straight

● H4-65 Dương Thị Giang, P. Tân Thời Nhất, Q.12, TP.HCM - Email: [info@vimet.com.vn](mailto:info@vimet.com.vn) - Website: [www.thietbioto.vn](http://www.thietbioto.vn)



## Round pattern gun

Most suitable for spraying miniature models, cloth prints, arts and crafts, do-it-yourself items, dyes, etc.



**RG-3L**  
**PC-51**  
cup  
(option)

Model	Previous model	Type of feed	Fluid nozzle orifice φ mm	Spray distance mm (inch)	Atomizing air pressure MPa (psi)	Air consumption l/min (cfm)	Fluid output ml/min.	Pattern width mm (inch)	Required air compressor kW	Standard cup	Mass g (lbs)
RG-3L-1	RG-2-1	Gravity	0.4	200 (7.9)	0.24 (35.6)	30 (1.1)	15	25 (1.0)	0.2~0.75	Gravity feed cup PC-51 (220ml) PC-61 (130ml)	180~200 (0.40~0.44)
RG-3L-2	RG-2-2		0.6				35	35 (1.4)			
RG-3L-3	RG-2-3		1.0				50 (1.8)	80			

※ RG-3L1 with air adj. set is available.

## Heavy viscosity spray gun

For applying special high-viscosity paint, adhesives, etc.



**W-2001-1**  
**PC-19B**  
pressure feed  
container  
(option)

**W-2003**  
**PC-19B**  
pressure feed  
container  
(option)



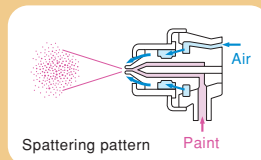
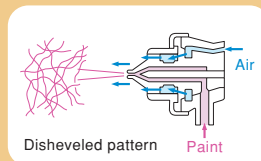
Fluid nozzle and fluid needle are made of stainless steel which permits spraying of even water borne adhesives.

Model	Name	Type of feed	Fluid nozzle orifice φ mm	Spray distance mm (inch)	Atomizing air pressure MPa (psi)	Air consumption l/min (cfm)	Fluid output ml/min.	Pattern width mm (inch)	Required air compressor kW	Standard container	Mass g (lbs)	Main application
W-2001-1	Spray gun	Pressure feed	2.5	200 (7.9)	0.29 (42.7)	(25W) 170 (6.0) (10W) 100 (3.5)	-	-	0.75~3.7	Pressure feed container: PC-19B (1000ml)	450 (0.99)	Construction wall paint, small job
W-2001-2			3.0									
W-2003	High viscosity gun	Pressure feed	2.0	200~300 (7.9~11.8)	0.29 (42.7)	270 (9.5)	-	300~400 (11.8~15.7)	1.5	Pressure feed container: PC-19B (1000ml)	390 (0.86)	High viscosity paint

## Disheveled gun

For spraying disheveled and spattering patterns using special air caps .

Type of feed : pressure feed type  
Fluid nozzle orifice: φ 0.7mm  
Atomizing air pressure: 0.2Mpa (2.0kgf/cm<sup>2</sup>.28psi)  
Air consumption: 75 liters/min. (2.6cfm)  
Fluid output : 80 ml/min.  
Required compressor: 0.4kW  
Approx. mass : 1000g (2.2lbs)  
with PC-17R (400 ml) pressure attached feed container



**SGD-71**

# Airbrushes

[iwata] is Anest Iwata's own trademark which is used and limited to airbrushes and related products. ISO9001 (JISZ9001) international quality standards do not cover products on this page.



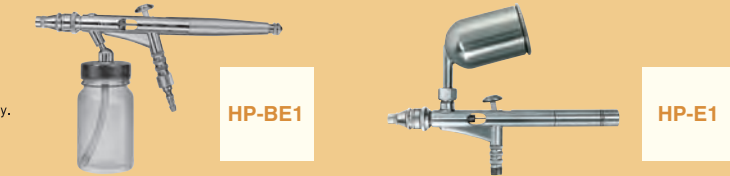
[Hi-line series] equipped with air adjusting knob (air volume adjusting function) and pre-set handle (fluid output adjusting function) as standard accessories which are most suitable for very fine jobs.



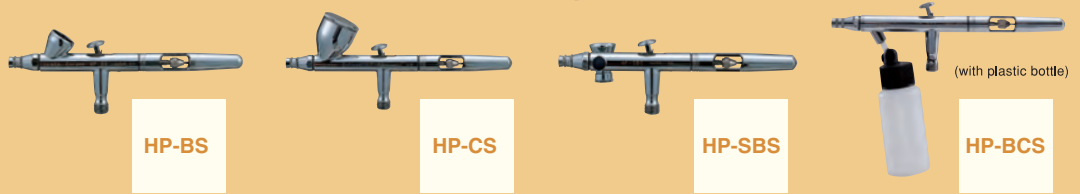
[High performance plus] equipped with pre-set handle (fluid output adjusting function) as a standard accessory.



[High performance series] equipped with hose joint set 1 as a standard accessory.



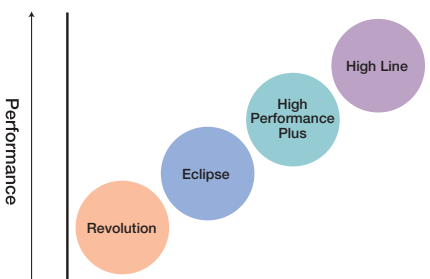
[Eclipse series] Drop-in (insert type) nozzle can make disassembly and cleaning easy.



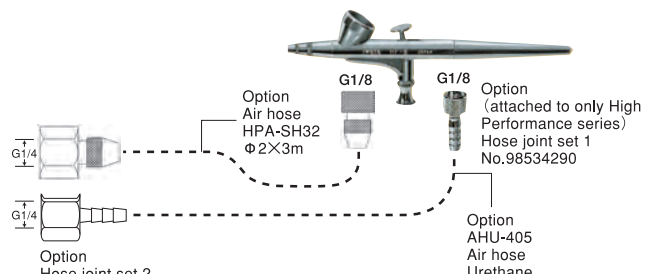
[Revolution series] All models (except HP-SAR and HP-TR) are double action type.



Model	Type of feed	Fluid nozzle orifice $\phi$ mm	Atomizing air pressure MPa (psi)	Air consumption $l/min$ (cfm)	Standard container or cup	Mass g (lbs)	Applied materia	
Hi-Line	Gravity	HP-AH	0.10~0.29 (14.2~42.7)	0.2	14	0.4	84	Automotive arts
		HP-BH		0.2	11	1.5	87	
		HP-CH		0.3	11	7	109	
High Performance Plus	Gravity	HP-AP		0.2	14	0.4	75	Hobby crafts, automotive arts, beauty culture
		HP-BP		0.2	11	1.5	81	
		HP-SBP		0.2	11	1.5	92	
	HP-CP	0.3		11	7	109		
	Suction	HP-BC1P		0.3	11	20	150	
		HP-BC2P		0.4	11	20	150	
High Performance	Gravity	HP-E1		0.6	32	40	236	Hobby crafts, automotive arts, beauty culture
		HP-E2		0.8	47	40	236	
	Suction	HP-BE1		0.6	32	40	254	
		HP-BE2	0.8	47	40	261		
Eclipse	Gravity	HP-BS	0.3	20	1.5	90	Hobby crafts	
		HP-CS	0.3	20	7	116		
	Suction	HP-SBS	0.3	20	1.5	105		
		HP-BCS	0.5	20	28	96		
Revolution	Gravity	HP-AR	0.3	14	0.4	75	Hobby crafts	
		HP-BR	0.3	14	1.5	82		
		HP-CR	0.5	20	7	115		
	Suction	HP-BCR	0.5	20	28	90		
		HP-SAR	0.5	20	28	100		
	Gravity	HP-TR1	0.3	14	7	150		
		HP-TR2	0.5	20	15	160		



Option Oil-free mini compressors JS-875 No.98534290



# Oil-less compressors for airbrushes

## IS-875HT/925HT

Powerful and compact  
Reliable



- Available 150W single cylinder and 220W two cylinders models with air tank
- Auto shut off
- Equipped with pressure switch as standard

Model	IS-875HT (Smart Jet Plus)	IS-925H (Smart Jet Plus)
Motor	W	150/200
Max pressure	MPa	4.2
Air consumption	ℓ/min	15
Mass	kg	5.5
Dimensions	mm	280×160×275
Included Accessories	Filter Regulator/3m Braided hose (HPA-BH31)/ Airbrush holder	

Remarks: In the above dimensions not included accessories

## IS-875/925



- Available in 91 W single cylinder and 125 W two cylinder version
- Compact design
- Silent
- Equipped with pressure switch as standard

Model	IS-875 (Smart Jet Pro)	IS-925 (Power Jet Lite)
Motor	W	91
Max pressure	MPa	3.1
Air consumption	ℓ/min	6.0
Mass	kg	6.4
Dimensions	mm	156×310×260
Included Accessories	3m air hose (HPA-SH32)	

Remarks: In the above dimensions not included accessories

## IS-850



- Compact design
- Silent
- Equipped with pressure switch as standard

Model	IS-850
Motor	W
Max pressure	MPa
Air consumption	ℓ/min
Mass	kg
Dimensions	mm
Included Accessories	4m Coil hose (HPA-CH41)/ 3m air hose (HPA-SH31)/ Filter set

Remarks: In the above dimensions not included accessories

## IS-50



- Compact design
- Light weight (2.9Kg)
- Equipped with release valve

Model	IS-50
Motor	W
Max pressure	MPa
Air consumption	ℓ/min
Mass	kg
Dimensions	mm
Included Accessories	4m Coil hose (HPA-CH41)

Remarks: In the above dimensions not included accessories

## IS-976MB



(Accessories not included)

- Maintenance-free, oil-less two pole motor air compressor
- Case-mounted air regulator and moisture filter
- Dual manifold air regulator with airbrush and spray gun holders
- 2.5 liter air storage tank and internal cooling fan
- Equipped with pressure switch as standard
- Easy-to-setup

Model	IS-976MB
Motor	W
Max pressure	MPa
Air consumption	ℓ/min
Mass	kg
Dimensions	mm
Air Tank Capacity	ℓ
Included Accessories	Filter Regulator/3m Braided hose (HPA-BH32)/ Airbrush holder

Remarks: In the above dimensions not included accessories

\*Applicable power supply voltage is AC100V  
\*\*Modify the product so that it can be used with different voltage.

# Automotive refinishing spray guns with agitator and Touch-up spray guns

Effective refinishing from small to medium blemishes



W-101A-134G

Can coat well with two-coat pearl, metallic, solid and clean paints as well as three-coat pearl paints



W-101A-134S



image

Model	Type of feed	Fluid nozzle orifice $\phi$ mm	Atomizing air pressure MPa (psi)	Air consumption $\ell$ / min (cfm)	Pattern width mm (inch)	High atomization	General atomization	Applied air cap model	Required air compressor kW	Mass g (lbs)	Application
<b>Automotive refinishing spray guns</b>											
W-101A-104G	Gravity	1.0	0.15 (22.8)	165 (5.8)	140 (5.5)	●		H4	0.4~0.75	695 (1.53)	Paint for Automotive refinishing
W-101A-134G		1.3			120 (4.7)						
W-101A-134S	Suction										
<b>Touch-up spray guns</b>											
W-101T-104G	Gravity	1.0	0.15 (22.8)	165 (5.8)	140 (5.5)	●		H4	0.4~0.75	335 (0.74)	Paint for Automotive refinishing
W-101T-134G		1.3			120 (4.7)						
W-101T-134S	Suction										

\* 1. Pattern width is measured with 16 sec. (12sec/NK-2) paint viscosity and 60ml/min. fluid output.

- Spray distance: 200mm (7.9inch) for all models
- Atomizing air pressure at inlet of spray gun with trigger pulled and air flowing.
- All models: Fluid nipple - G1/4, air nipple - G1/4

## Rotary type local pressure gauge

This is a cheater valve that can indicate air pressure at inlet joint of spray gun. It's easy to use per straight shape and easy to fine adjust pressure per screw valve.

Compact and light valve can make spray man handle spray gun easy.

Model: AJR-02S-VG Mass:120g

Connection: air nipple G1/4



AJR-02S-VG

This product can increase coating job efficiently through air pressure control. Small-sized pressure gauge maintains balance well when it is attached to your spray gun.

Local air pressure control can promise stable air supply to your coating job.

Model: AJR-02L-VG Mass:95g

Adjusting system:Cylinder type

Connection: air nipple G1/4



AJR-02L-VG

## Aqua Gun Holder for Center Cup Gravity Feed Spray Guns

Can be installed anywhere since it is equipped with pedestal.

Can be installed with air hose attached for use with wall-mounting type

Applicable spray guns:LPH-300/W-300/LPH-400/W-400

Model: GH-WH-02 Mass:510g



GH-WH-02

Gun Stand (for horizontal installation)



Gun Stand (for wall mounting)

## L type Rotary Joint

Allows you to handle hoses easily by rotating joint seat.

Reduces failure cost by preventing air hose from contacting coating surface during coating application.

Hoses do not interfere with you when coating in trunk room, doors, knee room or underbody of cars.

Model: AJR-02L Mass:46g



AJR-02L

# Air duster/Blow gun/Engine cleaner



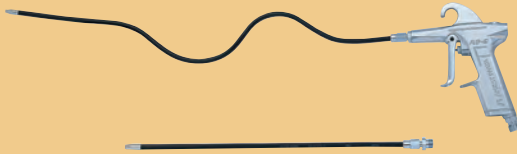
**Air duster  
AG-6**



**Air duster  
AG-61**

**Flexible extension pipe**

Example : Flexible extension pipe is attached.



**Blow gun  
AG-4B**



**Blow gun  
AG-41B**

**Flexible extension pipe**

Model	Lengthmm (inch)	Mass g (lbs)
ADP-150F	150 (5.9)	30 (0.07)
ADP-300F	300 (11.8)	42 (0.09)
ADP-500F	500 (19.7)	60 (0.13)

Option for AG-6、AG-61



**Engine cleaner  
EC-3B**

Model	Name	Fluid nozzle orifice φ mm	Atomizing air pressure MPa (psi)	Air consumption ℓ / min (cfm)	Required air compressor kW	Mass g (lbs)	Connection	Usage
AG-6	Air duster	1.7	0.34 (49.9)	105 (3.7)	0.4	185 (0.41)	G1/4 (PF1/4)	For blowing off dust, sludge, etc.
AG-61								
AG-4B	Blow gun	4.5	0.59 (85.3)	970 (34.3)	1.5~5.5	218 (0.48)	G3/8 (PF3/8)	For blowing off dust, sludge, etc.
AG-41B								
EC-3B	Engine cleaner	2.7	0.34 (49.8)	40 (1.4)	0.2	380 (0.84)	G1/4 (PF1/4)	For cleaning engines, machines, etc.

## Aqua Dry Gun



Able to amplify a small amount of air and emit a large amount of air. Most suitable for water-based paints which dry slowly. It can be used to dry solvent-based paints. Plastic grip is suitable for Anest Iwata spray guns with soft texture. The valve below is recommended for local on-off operation. With air valve to adjust on-off at hand.  
Model : ADG-1BV Mass : 400g

**ADG-1BV**

## Aqua Dry Gun Stand Unit



Available 2 Aqua dry guns(including) and fixed setting.

Model: ADGS-1UB

Fixed setting area

Height : 0~2000mm

Angle: 0~360°

1. Stand set 1 set
2. Aqua dry gun 2 guns
3. Air hose 2 pcs
4. Quick joint 2 sets

**ADGS-1UB**

# Containers, Cups & Paint Supply Equipment

## Suction feed container



## Gravity feed cup

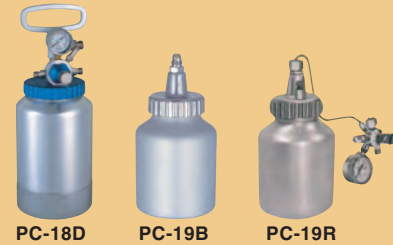


## Free-angle cup

PC-400S-2LF (Stainless)  
PC-400A-2LF (Aluminum)  
PC-400S-2LTF (Stainless)  
PC-250S-2LF (Stainless)  
PC-150S-2LF (Stainless)  
gun (option)



## Pressure feed container



Select appropriate paint supply equipment in accordance with paint consumption and painting job.

① Side mount gravity feed cup (130~600ml) for touch-ups and small painting jobs

② Suction feed container (400~1000ml) for medium-size painting jobs

③ Pressure feed container (1000~2000ml) for medium-size jobs using pressure feed spray gun

④ Paint pressure tanks (10~80 liters)

and diaphragm paint pumps are most suitable for continuous painting jobs such as on production lines, automatic painting machines and painting robots at the plant.

Model	Capacity ml	Mass g (lbs)	Connection	Applicable spray gun
<b>Suction feed container</b>				
PCL-7B-2	700	370 (0.81)	G1/4 (PF1/4)	W-101, -71, -61, LPH-101
PCL-7B-3	700	375 (0.82)	G3/8 (PF3/8)	W-200, -77
PCL-10B-2	1000	410 (0.90)	G1/4 (PF1/4)	W-101, -71, -61, LPH-101
PCL-10B-3	1000	415 (0.91)	G3/8 (PF3/8)	W-200, -77
PC-1	1000	335 (0.74)	G3/8 (PF3/8)	W-200, -77
PC-1S	1000	330 (0.73)	G1/4 (PF1/4)	W-101, -71, -61, LPH-101
PC-2	600	270 (0.59)	G1/4 (PF1/4)	W-101, -71, -61, LPH-101
PC-3	400	180 (0.40)	G1/4 (PF1/4)	W-101, -71, -61, LPH-101
<b>Gravity feed cup (Side)</b>				
PC-4	400	180 (0.40)	G3/8 (PF3/8)	W-200, -77
PC-4S	400	168 (0.37)	G1/4 (PF1/4)	W-50, -101, LPH-50, -101, W-71, -61, RG-3L
PC-400A-2LF	400	125 (0.28)	G1/4 (PF1/4)	W-50, -101, LPH-50, -101, W-71, -61, RG-3L, free-angle stainless steel cup
PC-400S-2LTF	400	210 (0.46)	G1/4 (PF1/4)	W-50, -101, LPH-50, -101, W-71, -61, RG-3L, free-angle, stainless steel cup fluorine-coated
PC-400S-2LF	400	210 (0.44)	G1/4 (PF1/4)	W-101, LPH-101, W-71, -61 free-angle stainless steel cup
PC-250S-2LF	250	170 (0.37)	G1/4 (PF1/4)	W-50, -101, LPH-50, -101, W-71, -61, RG-3L free-angle stainless steel cup
PC-150S-2LF	150	155 (0.34)	G1/4 (PF1/4)	W-50, -101, LPH-50, -101, W-71, -61, RG-3L free-angle stainless steel cup
PC-5	250	135 (0.30)	G1/4 (PF1/4)	W-50, -101, LPH-50, -101, W-71, -61, RG-3L
PC-51	220	126 (0.28)	G1/4 (PF1/4)	W-50, -101, LPH-50, -101, W-71, -61, RG-3L stainless steel cup
PC-61	130	110 (0.24)	G1/4 (PF1/4)	W-50, -101, LPH-50, -101, W-71, -61, RG-3L stainless steel cup
PCG-6P-2	600	220 (0.48)	G1/4 (PF1/4)	W-101, LPH-101, W-71, -61 plastic cup
PCG-6P-3	600	227 (0.50)	G3/8 (PF3/8)	W-200, -77 plastic cup
<b>Gravity feed cup (Center)</b>				
PCG-6P-M	600	160 (0.35)	M16X1.5 (female)	W-400, LPH-400 plastic cup
PCG-2P-2	200	100 (0.22)	G1/4 (PF1/4)	W-300, LPH-300 plastic cup
PCG-2D-1	150	100 (0.22)	G1/8 (PF1/8)	LPH-80, Aluminum cup
PC-G400P-2	400	158 (0.35)	G1/4 (PF1/4)	W-300, W-300WB, LPH-300 plastic cup
<b>Pressure feed container</b>				
PC-17R	400	564 (1.24)	G1/4 (PF1/4)	SGD-71 disheveled gun Max. operating pressure 0.20MPa (2kgf/cm <sup>2</sup> /28.4psi)
PC-18D-S0	2000	1250 (2.76)	G3/8 (PF3/8) fluid outlet	various spray guns Max. operating pressure 0.34MPa (3.5kgf/cm <sup>2</sup> /49.8psi)
PC-18DT-S0	2000	1200 (2.65)	G3/8 (PF3/8) fluid outlet	various spray guns Max. operating pressure 0.34MPa (3.5kgf/cm <sup>2</sup> /49.8psi)
PC-19B	1000	470 (1.04)	M16X1 (male)	W-2001-1 W-2003 Max. operating pressure 0.49MPa (5kgf/cm <sup>2</sup> /71.1psi)
PC-19R	1000	830 (1.83)	G3/8 (PF3/8)	W-200 W-77 Max. operating pressure 0.27MPa (2.8kgf/cm <sup>2</sup> /39.8psi)

## Paint pressure tank

They are equipped with either a manual or an automatic mixer to prevent paint from precipitating. 10-80 liter paint tanks are available.

### About the use of paint pressure tanks overseas

Codes and standards for pressure vessels vary from country to country. Please contact us to see if our paint pressure tanks apply to your country's specifications.



PT-20DM (with automatic mixer)

## Diaphragm paint pump

You can change paint color or replenish paint by simply putting intake hose set into a new can of paint. This method simplifies paint feed system and saves work.

※ For details, refer to [Paint supply pumps & system equipment] catalog.



DPS-90E

## Handy paint pump

\*Paint pump with 5 liter hopper for small painting jobs.  
\*Easy to transport (8kg)  
\*Double-acting type without pulsation can always supply stable fluid output.  
◎ Small painting jobs such as metal, resin and woodwork  
◎ Designated color line painting such as metal, resin and woodwork

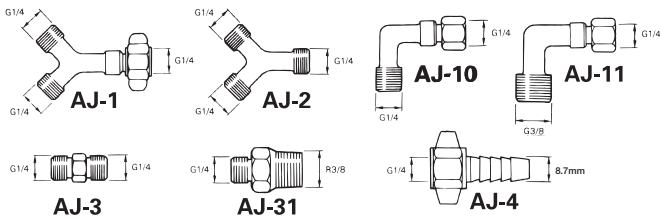
※ For details, refer to [Paint supply pumps & system equipment] catalog.



HDP-705C

# Joins, Hoses

## Air joint

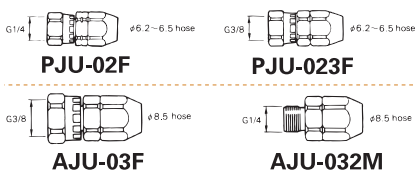


## Air valve

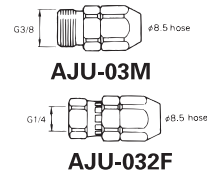


## Joint for urethane air hose

for EAHU-6

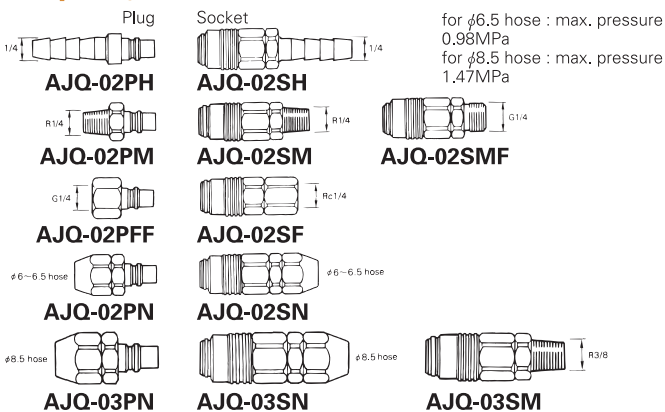


for AHU-8



※Joint for previous urethane air hose (AHU-6) are AJU-02F and AJU-02M.

## Air quick joint (※2)



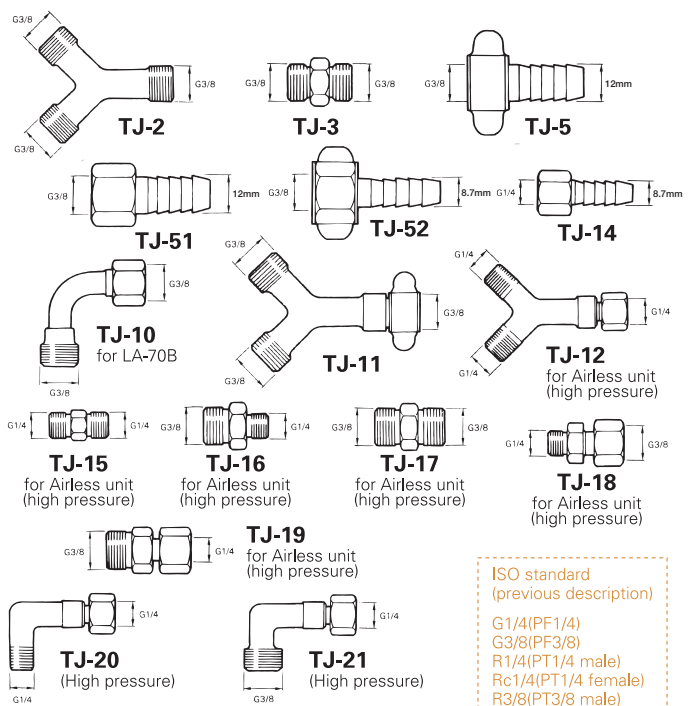
(※1) ●For exclusive use as an air hose. DO NOT USE AS A FLUID HOSE  
 ●When you do not use the grounding wire, do not take it out. But be sure to distinguish clearly between a hose which uses a grounding wire and one which does not use, in order to avoid wrong usage.

## Air house (※2)

Model	Material	Inner dia. × outer dia. × length	Max. operating pressure
EAHU-620	Urethane with built-in grounding wire	$\phi 6.2 \times \phi 9.3 \times 20\text{m}$	1.47MPa
EAHU-630		$\phi 6.2 \times \phi 9.3 \times 30\text{m}$	
EAHU-650		$\phi 6.2 \times \phi 9.3 \times 50\text{m}$	
EAHU-6100		$\phi 6.2 \times \phi 9.3 \times 100\text{m}$	
EAHU-820		$\phi 8.5 \times \phi 12 \times 20\text{m}$	
EAHU-8100	$\phi 8.5 \times \phi 12 \times 100\text{m}$		
AHU-820B	Urethane	$\phi 8.5 \times \phi 12 \times 20\text{m}$	1.47MPa
AHU-830B		$\phi 8.5 \times \phi 12 \times 30\text{m}$	
AHU-850B		$\phi 8.5 \times \phi 12 \times 50\text{m}$	
AHU-8100B		$\phi 8.5 \times \phi 12 \times 100\text{m}$	

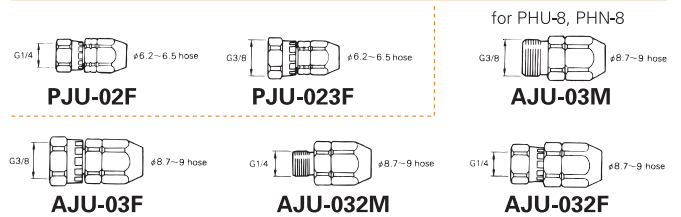
**⚠ Caution : Caution: Handling of air hose with the grounded wire (※2)**  
 ●Connecting equipment must be grounded since this hose has a built-in grounded wire.  
 ●Whether or not you use the grounded wire, never use this hose as an air hose to supply air to electrostatic spray equipment or isolation stand when you use low resistance paint. In such a case, use an urethane air hose (AHU-8) or fluid hose (PHU, PHN) as air hose.  
 ●When you use the grounded wire, refer to the electrostatic spray equipment instruction manual and periodically check its conductivity. Never use a hose which has deteriorated or is cut.  
 ●Never use this air hose as a fluid hose.  
 ●When you do not use the grounded wire, do not take it out. But be sure to distinguish clearly between a hose which uses a grounding wire and one which does not use, in order to avoid wrong usage.

## Fluid joint

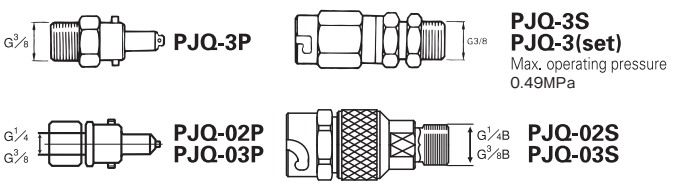


ISO standard (previous description)  
 G1/4(PF1/4)  
 G3/8(PF3/8)  
 R1/4(PT1/4 male)  
 Rc1/4(PT1/4 female)  
 R3/8(PT3/8 male)

## Joint for fluid hose



## Fluid quick joint



## Fluid hose (※3)

Model	Material	Inner dia. × outer dia. × length	Max. operating pressure
PHU-620	Urethane	$\phi 6.2 \times \phi 9.3 \times 20\text{m}$	0.69MPa
PHU-6100		$\phi 6.2 \times \phi 9.3 \times 100\text{m}$	
PHU-820		$\phi 8.7 \times \phi 12 \times 20\text{m}$	
PHU-8100		$\phi 8.7 \times \phi 12 \times 100\text{m}$	
PHN-620		$\phi 6.5 \times \phi 9.5 \times 20\text{m}$	
PHN-6100	$\phi 6.5 \times \phi 9.5 \times 100\text{m}$		
PHN-820	$\phi 8.9 \times \phi 12.1 \times 20\text{m}$		
PHN-8100	$\phi 8.9 \times \phi 12.1 \times 100\text{m}$		
THU-620	Urethane (twin)	$\phi 6.2 \times \phi 9.3 \times 2 \times 20\text{m}$	0.69MPa
THU-6100		$\phi 6.2 \times \phi 9.3 \times 2 \times 100\text{m}$	

\*Air hose side of THU-6 twin hose includes an orange string and the model's name.

**⚠ Caution : Selection of fluid hose (※3)**  
 ●Do not use urethane hoses (PHU, THU) when you use ketonic solvents, two-component paints, urethane paints and thinners which easily dissolve or react since urethane hoses will crack and paint will fly. In such a case, use nylon fluid hose (PHN).



# E-spray series

**We have realized a high level of safety.**

- No insulation device is required in fluid supplying route.
- We chose Internal cascade type with a high level of safety comparing with external cascade type.

Manual electrostatic spray gun for water-based paint  
(indirect charge and internal cascade type)



E-MW100

International  
Patents  
Pending

Manual electrostatic spray gun  
(direct charge and internal cascade type)



E-M15C : for general paints



E-M10C : for water-based and low-resistance paint



Please request catalog of "Electrostatic painting spray equipment". If you have some questions, please contact our branch where locates near you.



## Safety precautions

- For operation
  1. Never use these spray guns for purposes other than coating jobs.
  2. Before use, be sure to carefully read the instruction manual for correct usage.
  3. Never alter these products for any application. If done, it can cause poor performance and failure.
- Others
  1. Figures in this catalog are measured by our test paints. They will differ according to kinds of paints and painting conditions.

● Models, specifications and photos are subject to change without notice.



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