

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 φ mm	Atomizing air pressure MPa ^{*1} (psi)	Air Pressure in air cap MPa (psi)	Air consumption ℓ/min (cfm)	Fluid output ml/min ^{*3}	Pattern width mm ^{*3} (inch)	High atomization	General atomization	Applied air cap model	Required air compressor kW	Mass g (lbs)	Application ¹
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 ^{*2}	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		
W-101-162BPG	—	Gravity	1.6	0.20 ^{*3} (29.0)	-	210 (7.4)	120	170 (6.7)	●		162 BP2	1.5		Primer/surfacer paint
				0.24 ^{*4} (34.8)	-	230 (8.1)	195	200 (7.9)						

※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.



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 flont line of refinish coating.

Nozzle chart of Kansai Paint

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



Hybrid

RETAN PG HYBRID ECO

W101-136KPGC / W101-146KPGC



Item

fluid nozzle orifice		φ1.3	φ1.4
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

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.



W101-136NPGC / W101-146NPGC



Item

fluid nozzle orifice		φ1.3	φ1.4
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

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)

ANEST IWATA, acclaimed world leader in spray painting technology and innovative paint application, has launched the next generation of gravity spray guns: the WS400. This new, superior model takes spraying modern water based basecoats and HS clear coats to another level, and the W range of guns to an unsurpassed level in gravity gun technology.

DESIGN

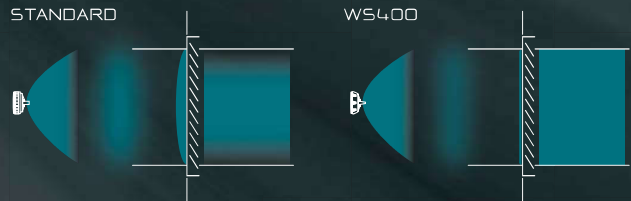
PININFARINA, the Italian design house renowned for some of history's top car designs, has worked closely with ANEST IWATA to produce a gun that combines elegance with the ultimate in spray gun design.

designed by *pininfarina*



PERFORMANCE

The SUPERNOVA delivers a consistent droplet size when atomizing which, when combined with its flat and even fan pattern, helps reduce common issues such as boil and pin holing on HS clear coats. These problems occur as a result of too much clear coat in one area, caused by centre heavy fan patterns.



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 has been designed with low maintenance in mind. The new, larger slots in the air cap ring facilitate quick removal and refitting after cleaning.

Precise settings

SUPERNOVA is equipped with high precision adjustment controls for setting air, fluid and fan pattern. Moreover, the carefully designed grip gives the professional painter an easy feel, even when wearing latex gloves.

Base coat and Clear coat optimised spray design

Ideal for waterborne base coats and HS clear paints, WS400 has two specially designed nozzle and needle sets, to give you optimal control during base and clear applications. This, combined with the flat and thin fan patterns, gives the professional painter the control and performance required in a fast throughput environment.



ACCESSORIES



**Local pressure gauge
AJR-02S-VG**

Set Includes

Spray gun	WS-400 各種
Cap	PC-G600P-2
Local pressure gauge	AJR-02S-VG
Other accessories	Spanner

Specifications

Model	fluid nozzle orifice	Atomizing air pressure Mpa	Air consumption ℓ / min	Fluid output mL/min	Pattern width※1 mm	Pattern width※2 mm	Applied air cap model	Mass g
WS-400-1301B-S1	Φ1.3	0.2	370	140	260	365	01	645 (with cup)
WS-400-1301C-S1	Φ1.3			170	260	365		
WS-400-1401B-S1	Φ1.4			170	260	365		
WS-400-1401C-S1	Φ1.4			190	260	370		
WS-400-1301BHS1	Φ1.3			220	265	365		
WS-400-1301CHS1	Φ1.3			220	265	365		
WS-400-1401BHS1	Φ1.4			240	270	370	01	425 (without cup)
WS-400-1401CHS1	Φ1.4			240	270	370		
WS-400-1501BHS1	Φ1.5			260	275	370		
WS-400-1501CHS1	Φ1.5			260	275	370		

• Spray distance : 130mm (※1), 200mm (※2), Paint viscosity : 20 sec/NK-2
 • Air nipple : G1/4B (male)
 • Accessories : Cup (600mL, Plastic), Spanner

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

Effective refinishing from small to medium blemishes

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



W-101A-134G



W-101A-134S



image

Model	Type of feed	Fluid nozzle orifice ϕ mm	Atomizing air pressure MPa (psi)	Air consumption l / min (cfm)	Pattern width mm (inch)	High atomization	General atomization	Applied air cap model	Required air compressor kW	Mass g (lbs)	Application
Automotive refinishing spray guns											
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)				0.75~1.5		
W-101A-134S	Suction										
Touch-up spray guns											
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)				0.75~1.5		
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



Gun Stand (for horizontal installation)



Gun Stand (for wall mounting)

GH-WH-02

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