

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 (psi) ^{※1}	Air Pressure in air cap MPa (psi)	Air consumption l/min (cfm)	Fluid output ml/min	Pattern width mm (inch) ^{※3}	High atomization	General atomization	Applied air cap model	Required air compressor kW	Mass g (lbs)	Application
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 (10.6)	●		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 ^{※3} (29.0)	-	210 (7.4)	120	170 (6.7)	●		162 BP2	1.5		
				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