

# Low pressure spray guns

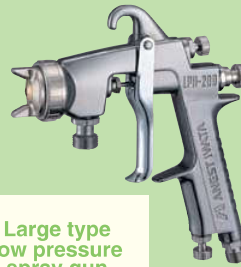
# LPH-50/101/200



**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)		E1					
LPH-101-131P	—		1.3	0.26 (36.9)		430 (15.5)	200	280 (10.9)							
LPH-101-151P	—		1.5	0.18 (25.6)		0.05 (7.1)	280 (5.6)	100		230 (9.0)				●	LV6
LPH-101-082LVP	—		0.8					150		250 (9.8)					
LPH-101-102LVP	—	1.0	Gravity	0.1 (14.2)	0.07 (10.0)	200 (7.1)	80*	200*(7.9)	●	LV4	1.5~2.2	295 (0.64)	Automotive refinishing		
LPH-101-124LVG	LPH-101-124LVG	1.2					130*	220*(8.6)							
LPH-101-144LVG	LPH-101-144LVG	1.4					100	220 (8.6)							
LPH-101-164LVG	LPH-101-164LVG	1.6					120	210 (8.2)							
LPH-101-184LVG	—	1.8	Suction	0.1 (14.2)	0.05 (7.1)	200 (7.1)	60	170 (2.4)	●	G2	2.2~3.7	380 (0.84)	Large workpieces such as large parts, vehicles		
LPH-101-124LVS	—	1.2					80	180 (7.0)							
LPH-101-144LVS	LPH-101-144LVS	1.4					95	190 (7.4)							
LPH-101-164LVS	LPH-101-164LVS	1.6	Pressure	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		
Large type LPH-200-122P	LPH-80-121 LPH-80-122	1.2					500	300 (11.7)							

● 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.

# Center cup gravity feed spray gun

## 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	0.24 (35.6)	—	80 (2.8)	60	100 (3.9)	●	●	E1	0.4~0.75	320 (0.71)	Light industry hobby				
	W-300-101G			1.0		—	145 (5.1)	100	130 (5.1)			●	K1			0.4~0.75			
	W-300-132G			1.3		—	225 (7.9)	160	175 (6.9)								●	H2	0.75~1.5
	W-400-122G	W-89-12K2G W-89-12K5G W-89-12R5G		Gravity	1.2	0.20 (28.5)	—	280 (9.9)	140	230 (9.1)	●	●	LV2	1.5~2.2	380 (0.84)	Automotive refinsh (touch-ups~top coat)			
	W-400-132G				0.29 (42.7)	280 (9.9)		160	250 (9.8)	●									
					0.20 (28.5)	370 (13.1)		200	300 (11.8)										
	W-400-142G				1.4	0.20 (28.5)	—	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			0.29 (42.7)	280 (9.9)		240	300 (11.8)	●									
					0.20 (28.5)	370 (13.1)		310	340 (13.4)										
W-400-182G	W-89-20R5G	1.8	0.20 (28.5)		—	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	0.29 (42.7)	380 (13.4)			400	320 (12.6)	●											
		0.20 (28.5)	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				130 <sup>※</sup>	230 (9.1)							●			
	LPH-300-164LV			1.6				0.13 (18.5)	0.07 (10.0)								240 (8.5)	110	230 (9.1)
	LPH-400-144LV			1.4	0.11 (15.7)	0.07 (10.0)	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				150	300 (11.8)							●			
Low pressure ultra small type center cup gravity feed spray gun	LPH-80-042G		Gravity	0.4	0.09 (13.1)	0.07 (10.0)	50 (1.7)	8	40 (1.5)	●	●	E2	0.2~0.75	205	Automotive refinsh spot repair				
	LPH-80-062G			0.6				25	60 (2.3)							●			
	LPH-80-082G			0.8				40	80 (3.1)								●		
	LPH-80-102G			1.0				55	100 (3.9)									●	
	LPH-80-122G			1.2				80	120 (4.7)										●
				80				120 (4.7)	●										

● Spray distance: 250mm for W-300 and W-400, and 200mm for LPH-300 and LPH-400 ● Paint viscosity: 22 sec. (20 sec/NK-2) ※ marked case: 16sec. (12sec/NK-2)  
● As for W/LPH-400, fluid nipple M16x1.5 (male), air nipple G1/4. As for W/LPH-300, fluid nipple G1/4 (female), air nipple G1/4.