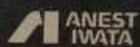


PAINT SUPPLY PUMP & SYSTEM EQUIPMENT

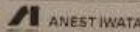


PAINT SUPPLY PUMP &
SYSTEM EQUIPMENT



DIAPHRAGM PUMP SET

MODEL DPS-90 E



ANEST IWATA Corporation

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 (inch)	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 (0.016)	0.09 (12.8)	0.05 (7.1)	50 (1.8)	8*	40* (1.6)	●	E2	0.2~0.75	220 (0.48)	Automotive finish (touch-ups, shading)									
LPH-50-062G	0.6 (0.024)		25*				60* (2.4)															
LPH-50-102G	1.0 (0.04)		55*				100* (3.9)															
LPH-101-081P	—	Pressure	0.8 (0.032)	0.26 (36.9)	0.07 (10.0)	430 (15.5)	100	170 (2.4)	●	E1	1.5~2.2	295 (0.64)	Automotive finish (touch-ups, block painting)									
LPH-101-101P	—		1.0 (0.04)				150	200* (7.9)														
LPH-101-122P	LPH-100-122P		1.2 (0.047)	0.34 (49.8)		530 (18.7)	350	270 (10.6)		G2	2.2~3.7											
LPH-101-131P	—		1.3 (0.052)	0.26 (36.9)		430 (15.5)	200	280 (10.9)						E1								
LPH-101-151P	—		1.5 (0.06)	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-101-082LVP	—		0.8 (0.032)					150		250 (9.8)												
LPH-101-102LVP	—		1.0 (0.04)	0.1 (14.2)			200 (7.1)	80*		200* (7.9)				●				LV4	1.5~2.2	295 (0.64)	Automotive finish	
LPH-101-124LVG	LPH-101-124LVG		1.2 (0.047)					100		220 (8.6)												
LPH-101-144LVG	LPH-101-144LVG		1.4 (0.055)	0.13 (18.5)			0.07 (10.0)	240 (8.5)		120				210 (8.2)				●	LV4	1.5~2.2	295 (0.64)	Automotive finish
LPH-101-164LVG	LPH-101-164LVG		1.6 (0.06)							100				220 (8.6)								
LPH-101-184LVG	—	1.8 (0.072)	0.1 (14.2)	0.05 (7.1)	200 (7.1)		60	170 (2.4)	●	LV4		1.5~2.2	295 (0.64)	Automotive finish								
LPH-101-124LVS	—	1.2 (0.047)					80	180 (7.0)														
LPH-101-144LVS	LPH-101-144LVS	1.4 (0.055)	0.1 (14.2)	0.05 (7.1)	200 (7.1)		95	190 (7.4)	●	LV4		1.5~2.2	295 (0.64)	Automotive finish								
LPH-101-164LVS	LPH-101-164LVS	1.6 (0.06)					60	170 (2.4)														
Large type LPH-200-122P	LPH-90-121 LPH-90-122	Pressure	1.2 (0.047)	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)

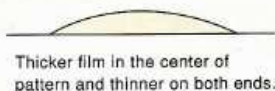


W-101-151S
Suction feed type
PCL-7B-2
container (option)

Model	Previous model	Type of feed	Fluid nozzle orifice φmm	Atomizing air pressure MPa	Air consumption l/min	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	270	150	190	●		E2P	1.5	295	Automobile, woodwork, furniture, metal, plastic
W-101-102P	W-100-102P	Pressure	1.0			200	220	●					
W-101-132P	W-100-132P	Pressure	1.3	0.24	220	210	210	●		E1	0.4~0.75	295	Woodwork, furniture, metal, medium viscosity
W-101-152P	W-100-152P	Pressure	1.5			250	240	●					
W-101-101S	W-100-101S	Suction	1.0	0.24	75	85	120		●	K1	0.4~0.75	295	Light industry, hobby
W-101-101G	W-100-101G	Gravity	1.0			95	130						
W-101-131S	W-100-131S	Suction	1.3	0.24	145	150	155		●	H2	0.75~1.5	295	Automotive refinish,* woodwork, furniture, metal, plastic
W-101-131G	W-100-131G	Gravity	1.3			160	170						
W-101-132S	W-100-132S	Suction	1.3	0.20	225	150	160	●		H4	0.75~1.5	295	Automotive refinish,* woodwork, furniture, metal, plastic
W-101-132G	W-100-132G	Gravity	1.3			160	175						
W-101-134S	W-100-134S	Suction	1.3	0.20	210	140*	180*	●		H4	0.75~1.5	295	Automotive refinish,* woodwork, furniture, metal, plastic
W-101-134G	W-100-134G	Gravity	1.3	0.24	250	145	200						
W-101-151S	W-100-151S	Suction	1.5	0.24	145	175	170		●	K1	1.5	295	Woodwork, furniture, metal
W-101-151G	W-100-151G	Gravity	1.5			200	180						
W-101-152S	W-100-152S	Suction	1.5	0.24	225	170	175	●		H2	1.5	295	Automotive refinish, woodwork, furniture, metal
W-101-152G	W-100-152G	Gravity	1.5			190	190						
W-101-181S	W-100-181S	Suction	1.8	0.24	170	210	170		●	N1	1.5	295	Woodwork, furniture, metal
W-101-181G	W-100-181G	Gravity	1.8			240	190						

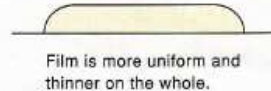
● All models, spray distance: 200mm ● Paint viscosity: 22 sec. (20 sec/NK-2). * marked case: 16 sec. (12sec./NK-2) ● All models, fluid nipple: G1/4, air nipple: G1/4

W-101-131S/G



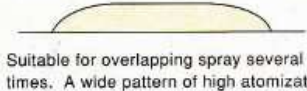
Thicker film in the center of pattern and thinner on both ends.

W-101-132S/G



Film is more uniform and thinner on the whole.

W-101-134S/G



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

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

Diaphragm paint pump series



DDP-70B



DDP-70BN



DDP-90E



DDP-90EN

Model	DDP-70B	DDP-70BN	DDP-90E	DDP-90EN
Material of wetted parts	Aluminum	Stainless	Aluminum	Stainless
Pressure ratio	1:1		1:1	
Adjustable pressure range	0.15~0.7MPa		0.15~0.7MPa	
Paint output/cycle	20ml/cycle		50ml/cycle	
Max. Cycle No.	300cycle/min		200cycle/min	
Max. Paint output *1	6l/min		10l/min	
Normal paint output (30cycle/min)	0.6l/min		1.5l/min	
Max. Paint viscosity *2	60s/NK-2 190cPs		100s/NK-2 300cPs	
Paint temperature	5~40°C		5~40°C	
Air inlet	G1/4B (PF1/4male)		G1/4B (PF1/4male)	
Paint inlet	Rc1/4 (PT1/4female)		G1/2B (PF1/2male)	
Paint outlet	Rc1/4 (PT1/4female)		Rc3/8 (PT3/8female)	
Mass	2kg	3.2kg	3.1kg	5kg
Dimensions (LxWxH)	173x113x143mm		186x213x220mm	
Mounting dimensions				
Performance curve	<p>*0.3/0.5/0.7MPa in graph shows air pressure. *Test by turpentine.</p>		<p>*0.3/0.5/0.7MPa in graph shows air pressure. *Test by turpentine.</p>	
Required compressor (for pump)	0.4~0.75kW		0.4~0.75kW	

*1 Fluid: clear water, no-load, simple body of pump, part of paint output

*2 Suction hose and pipe arrangement can change Max viscosity.



DDP-120B



DDP-120BN



DDP-160D



DDP-160DN

DPS-120

Model	DDP-120B	DDP-120BN	DDP-160D	DDP-160DN
Material of wetted parts	Aluminum	Stainless	Aluminum	Stainless
Pressure ratio	1:1		1:1	
Adjustable pressure range	0.15~0.7MPa		0.15~0.85MPa	
Paint output/cycle	150ml/cycle		330ml/cycle	
Max. Cycle No.	200cycle/min		200cycle/min	
Max. Paint output*1	30l/min		66l/min	
Normal paint output (30cycle/min)	4.5l/min		10l/min	
Max. Paint viscosity*2	100s/NK-2 300cPs		— 3,000cPs	
Paint temperature	5~40°C		5~40°C	
Air inlet	G1/4B (PF1/4male)		G1/4B (PF1/4male)	
Paint inlet	G1/2B (PF1/2male)		G3/4B (PF3/4male)	
Paint outlet	Rc3/8 (PT3/8female)		G3/4B (PF3/4male)	
Mass	4kg	7.2kg	11kg	16.5kg
Dimensions (LxWxH)	207×223×274mm		210×290×320mm	
Mounting dimensions				
Performance curve	<p>*0.3/0.5/0.7MPa in graph shows air pressure. *Test by turpentine.</p>		<p>*0.3/0.5/0.7MPa in graph shows air pressure. *Test by turpentine.</p>	
Required compressor (for pump)	0.4~1.5kW		1.5~3.7kW	

ze

E(N)
4B(N)



DPS-120LBN

DDP-120BN

Stainless



PR-5BN

Stainless

PR-5BN-S1

φ823mm
11,211mm)

22kg

5kW

7. If you need

*About lubricant agent, medicinal solution, or non-coating usage, please contact us with information of your fluid, pH, viscosity, fluid feature.

Diaphragm paint pump variation type



Type	Pail-mount	Transfer pump for pail	Stand Mount				Wall			
Pump set Model	DPS-70C	DPS-70TC	DPS-90E	DPS-90EN	DPS-120B	DPS-120BN	DPS-704C	DPS-704CN	DPS-904E	
Diaphragm Pump	Model	DDP-70B		DDP-90E	DDP-90EN	DDP-120B	DDP-120BN	DDP-70B	DDP-70BN	DDP-90E
	Material of wetted parts	Aluminum		Aluminum	Stainless	Aluminum	Stainless	Aluminum	Stainless	Aluminum
	Normal paint output (30cycle/min)	0.6ℓ/min		1.5ℓ/min		4.5ℓ/min		0.6ℓ/min		1.5
	Adjustable pressure range	0.15~0.7MPa		0.15~0.7MPa				0.15~		
Paint Regulator	Model	PR-5B	not included	PR-5B	PR-5BN	PR-5B	PR-5BN	PR-5B	PR-5BN	PR-5B
	Material of wetted part	Aluminum	-	Aluminum	Stainless	Aluminum	Stainless	Aluminum	Stainless	Aluminum
	Adjustable pressure range	0~0.6MPa	-	0~0.6MPa				0~0		
	Max Flow	2.0ℓ/min	-	2.0ℓ/min				2.0		
Max. Paint viscosity*1	60s/NK-2 190cPs		100s/NK-2 300cPs							
Paint temperature	5~40℃		5~40℃				5~			
Air inlet / Paint outlet	G1/4B(PF1/4male)		G1/4B(PF1/4male)				G1/4B(P			
Paint filter	50mesh	not included	50mesh				50			
Option	Paint filter	TF-7:100mesh	-	TF-7:100mesh	-	TF-7:100mesh	-	TF-7:100mesh	-	TF-7:100mesh
	Agitator	-	-	AMM-11/111	-	AMM-11/111	-	AMM-11/111	-	AMM-11/111
	Paint regulator for 2 spray guns	PR-5B-S1	-	PR-5B-S1	PR-5BN-S1	PR-5B-S1	PR-5BN-S1	PR-5B-S1	PR-5BN-S1	PR-5B-S1
Dimensions (LxWxH)	173x393x663mm	173x213x515mm	360x348x781mm		366x357x823mm		173x307x364mm		356x26	
Mass	4kg	3kg	7kg	9kg	8kg	11kg	4kg	5kg	6kg	
Required compressor (for pump)	0.4~0.75kW	0.75~1.5kW	0.4~0.75kW		0.4~1.5kW		0.4~0.75kW			

*1 Suction hose and pipe arrangement can change Max viscosity. *Each type has stainless version. If you need, please consult us.