



WIDER

Dedicated **WIDER** site
<https://wider.anest-iwata.jp>



Safety Precautions

■ Usage

1. Before operating the product, please read and follow the instruction manual carefully, and operate it properly.
2. Never alter or modify the product. It will not be able to provide adequate performance, and damage could result.

■ Miscellaneous

1. The performance specifications in this catalog were obtained using our test paint. Values will depend on the paint used and environmental conditions.

● The products in this catalog are intended for use in Japan. Therefore, before purchasing them in Japan for export, check that they comply with your domestic legal regulations and safety standards in the export destination country.

● Specifications stated in this catalog are subject to change without notice.

● Photos and other content may not match some products, due to specification changes, etc.

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WIDER

WIDER1 × WIDER2

WIDER1L × WIDER2L



This is The Newest Spray Gun

Dependable Quality and Repeatability

From “W” to “WIDER” Again - the New Model Has Arrived

The key points in industrial coating products are quality and repeatability.

We have always created the ideal spray guns, adapted to diverse applications and evolving paints. Now, we have developed the new WIDER1 and WIDER2 models, which go further than ever in our pursuit of these key points. Our spray guns have penetrated markets around the world since the W-200 made its debut 22 years ago, and the W-101 14 years ago. We have distilled this experience and expertise that we accumulated over those years into this new WIDER model.

FEATURE 01 DESIGN

Ergonomic Design with the Focus on Functionality

In the course of applying an ergonomic design throughout, we also achieved a 5-g weight reduction. Every adjustment knob is tapered with deeper grooves, providing a surer grip for easier fine adjustments. We also built in a bushing into the back of the needle valve spring to make paint output adjustment smoother. The tip of the trigger has a smoother shape, for easier operation when applying lower paint volumes.

WIDER1 SPEC

Previous Model	Model	Type of feed	Fluid Nozzle diameter (mm)	Atomizing air pressure (MPa)	Air consumption (L/min)	Fluid output (mL/min)	Pattern width (mm)	Atomization	Air Cap	Weight (g)	Application
W-101-082P	WIDER1-08E2P	Pressure	0.8	0.29	270	150 190	200 220	High atomization	E2P	290	Car OEM, Wood and furniture, metals, plastics
W-101-102P	WIDER1-10E2P	Pressure	1.0		200 210	200 210					Wood and furniture, metals, medium-viscosity paints
W-101-132P	WIDER1-13E2P	Pressure	1.3	0.24	75	85 120	95 130	General atomization	E1	290	Light industry, hobby
W-101-152P	WIDER1-15E2P	Pressure	1.5			250 240					250 240
W-101-101S	WIDER1-10E1S	Suction	1.0	0.24	145	150 155	160 170	General atomization	K1	290	Automotive refinishing, Wood and furniture, metals, plastics
W-101-101G	WIDER1-10E1G	Gravity	1.0			95 130					95 130
W-101-131S	WIDER1-13K1S	Suction	1.3	0.2	210	140* 180*	155* 205*	High atomization	H4	375	Automotive refinishing, Wood and furniture, metals, plastics
W-101-131G	WIDER1-13K1G	Gravity	1.3			160 170					160 170
W-101-132S	WIDER1-13H2S	Suction	1.3	0.2	210	140* 180*	155* 205*	High atomization	H4	375	Automotive refinishing, Wood and furniture, metals, plastics
W-101-132G	WIDER1-13H2G	Gravity	1.3			160 175					160 175
W-101-134S	WIDER1-13H4S	Suction	1.3	0.2	210	140* 180*	155* 205*	High atomization	H4	375	Automotive refinishing, Wood and furniture, metals, plastics
W-101-134G	WIDER1-13H4G	Gravity	1.3			160 175					160 175
W-101-151S	WIDER1-15K1S	Suction	1.5	0.24	145	175 170	200 180	General atomization	K1	290	Wood and furniture, metals
W-101-151G	WIDER1-15K1G	Gravity	1.5			200 180					200 180
W-101-152S	WIDER1-15H2S	Suction	1.5	0.24	225	170 175	190 190	High atomization	H2	375	Automotive refinishing, Wood and furniture, metals
W-101-152G	WIDER1-15H2G	Gravity	1.5			190 190					190 190
W-101-181S	WIDER1-18N1S	Suction	1.8	0.24	170	210 170	240 190	General atomization	N1	375	Wood and furniture, metals
W-101-181G	WIDER1-18N1G	Gravity	1.8			170 240					170 240

● Spray distance : 200mm (for all models) ● Viscosity : 20s/NK-2, (*12s/NK-2) ● Air and fluid nipples : G1/4 (for all models)

FEATURE 02 MAINTENANCE

New Models Make Maintenance Easier

The new WIDER is designed for easier maintenance. We changed the thread pitch of the cap from 1.0 mm to 1.5 mm, so that it can be screwed on with 1.5 turns, which is half as many as before. Also, the back end of the needle valve is reshaped to make it easier to remove and attach. By adding straight threadless sections to the air and fluid nipples, we made it easier to attach the connectors.



Pattern Adjustment set turns



FEATURE 03 FEEL

Linear Response Pattern Adjustment set

The previous pattern adjustment set reached around 45% of full pattern width with 1 turn, around 80% with 1.5 turns, and almost 100% or nearly fully open with 2 turns. Our newly-developed pattern adjustment set now provides around 35% with 1 turn, around 50% with 1.5 turns, and around 70% with 2 turns. This linear response to adjustment is intuitively easier to operate.



FEATURE 04 REPEATABILITY

Revised Air Valve Seat Sets for a more consistent installation

Previous air valve seat sets consisted of a combination of large and small orifices in the air channel, so installing it into place could produce differences in air volume due to its' position. This difference could potentially influence paint output and pattern width. We revised the design for the new WIDER, making the orifices much larger and more uniform so that installing the air valve seat set in produces more repeatable results. That enables even more consistent application.



WIDER2 SPEC

Previous Model	Model	Type of feed	Fluid Nozzle diameter (mm)	Atomizing air pressure (MPa)	Air consumption (L/min)	Fluid output (mL/min)	Pattern width (mm)	Atomization	Air cap	Weight (g)	Applications
W-200-122P	WIDER2-12G2P	Pressure	1.2	0.29	500	500 400	240 210	High atomization	G2P	375	Large parts and vehicles, line painting
W-200-151S	WIDER2-15K1S	Suction	1.5		240 210	240 210					Wood and furniture, metals
W-200-151G	WIDER2-15K1G	Gravity	1.5	0.24	360	270 220	240 290	General atomization	K1	375	Wood and furniture, metals
W-200-152S	WIDER2-15K2S	Suction	1.5			240 290					240 290
W-200-152G	WIDER2-15K2G	Gravity	1.5	0.2	330	270 320	290 340	High atomization	K2	375	Automotive refinishing, Wood and furniture, plastics
W-200-182S	WIDER2-18K2S	Suction	1.8			290 340					290 340
W-200-182G	WIDER2-18K2G	Gravity	1.8	0.24	260	350 260	410 280	General atomization	R1	375	Metals, Wood and furniture, medium-viscosity paints
W-200-201S	WIDER2-20R1S	Suction	2.0			410 280					410 280
W-200-201G	WIDER2-20R1G	Gravity	2.0	0.24	360	350 290	410 320	High atomization	R2	375	Metals, Wood and furniture, medium-viscosity paints
W-200-202S	WIDER2-20R2S	Suction	2.0			410 320					410 320
W-200-251S	WIDER2-25W1S	Suction	2.5	0.24	360	440 280	510 310	General atomization	W1	375	Metals, Wood and furniture, anti-corrosion treatment for steel frames, high-viscosity paints
W-200-251G	WIDER2-25W1G	Gravity	2.5			510 310					510 310

● Spraying distance : 250mm (for all models) ● Viscosity : 20s/NK-2 ● Air nipples : G1/4 and fluid nipples : G3/8 (for all models)



WIDER1L WIDER2L

HVLP Compliant

High Transfer Efficiency and Optimized Atomization At the Low Air Pressure Range

The major challenges of painting are reducing paint consumption and VOC. We developed unique air cap, nozzle, and spray gun body mechanism for achieving high transfer efficiency and optimized atomization at the low air pressure range.

Compared with our conventional models, HVLP spray gun can save 20% ~30% paint consumption.

HVLP spray gun has realized less paint scattering. It contributes to improvement of working environment in terms of extended maintenance period of spray booth and less paint bounce back to painter.



WIDER1L SPEC

Previous Model	Model	Type of feed	Fluid Nozzle diameter (φmm)	Atomizing air pressure (MPa)	Pressure in air cap (MPa)	Air consumption (L/min)	Fluid output (mL/min)	Pattern width (mm)	Atomization	Air cap	Weight (g)	Applications
LPH-101-122P	WIDER1L-12G2P	Pressure	1.2	0.34	0.069	530	350	270	High atomization	WIDER1L-2-G2	290	Wood and furniture, metals
LPH-101-124LVS	WIDER1L-2-12J2S		1.2				60	170				
LPH-101-144LVS	WIDER1L-2-14J2S	1.4	80	180								
LPH-101-164LVS	WIDER1L-2-16J2S	1.6	95	190								
LPH-101-124LVG	WIDER1L-2-12J2G	1.2	80 ^{※1}	200 ^{※1}								
LPH-101-144LVG	WIDER1L-2-14J2G	1.4	130 ^{※1}	220 ^{※1}								
LPH-101-164LVG	WIDER1L-2-16J2G	1.6	0.13	0.069	240	100	220	Gravity			Automotive refinishing, Wood and furniture, metals	

●Spraying distance : 200mm (for all models) ●Viscosity : 20s/NK-2 ●Air nipples : G1/4 and fluid nipples : G1/4 (for all models) ※1 Viscosity : 12s/NK-2.

WIDER2L SPEC

Previous Model	Model	Type of feed	Fluid Nozzle diameter (φmm)	Atomizing air pressure (MPa)	Pressure in air cap (MPa)	Air consumption (L/min)	Fluid output (mL/min)	Pattern width (mm)	Atomization	Air cap	Weight (g)	Applications
New Model	WIDER2L-10G2P	Pressure	1.0	0.2	0.069	470	300	250	High atomization	WIDER2L-G2	375	Large parts and vehicles, line painting
LPH-200-122P	WIDER2L-12G2P		1.2				500	300				
New Model	WIDER2L-14G2P		1.4				500	300				
New Model	WIDER2L-10G2F		1.0				130	280				
New Model	WIDER2L-2-10G2F	1.2	430	150	300	WIDER2L-2-G2						

●Spraying distance : 200mm (for all models) ●Viscosity : 20s/NK-2 ●Air nipples : G1/4 and fluid nipples : G3/8 (for all models)

HVLP spray gun is the compliant gun that must be operated with its internal pressure of the air cap at 0.069 MPa or less, as prescribed by South Coast Air Quality Management District in the United States of America, which is the world's strictest in environmental regulations.

Episode of
WIDER

Since
1957

From 0 to **WIDER**

These proven products have been at the forefront of the spray gun market from 1957 to today. The early models were named "WIDER", before we transitioned to "W". We have now revived the name "WIDER" to carry on the tradition.

