

## 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

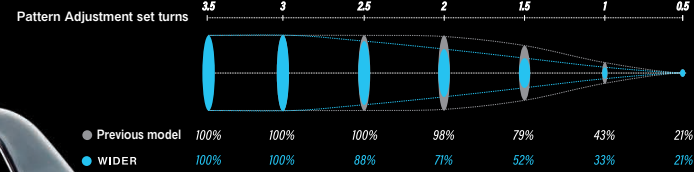
Previous Model	Model	Type of feed	Fluid Nozzle diameter (mm)	Atomizing air pressure (MPa)	Air consumption (L/min)	Fluid output (mL/min)	Pattern width (mm)	Atomization	Air Cap	Weight (g)	Application
W-101-082P	WIDER1-08E2P	Pressure	0.8	0.29	270	150 190	200 220	High atomization	E2P	290	Car OEM, Wood and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

● 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.



### 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		200	270 220					
W-200-151G	WIDER2-15K1G	Gravity	1.5		240 290	240 320					
W-200-152S	WIDER2-15K2S	Suction	1.5		330		270 320				
W-200-152G	WIDER2-15K2G	Gravity	1.5		290 340						
W-200-182S	WIDER2-18K2S	Suction	1.8		0.26	330	320 380	High atomization	K2	375	Automotive refinishing, Wood and furniture, plastics
W-200-182G	WIDER2-18K2G	Gravity	1.8			410 280					
W-200-201S	WIDER2-20R1S	Suction	2.0			350 260	410 320				
W-200-201G	WIDER2-20R1G	Gravity	2.0		260 180						
W-200-202S	WIDER2-20R2S	Suction	2.0		360	350 290					
W-200-202G	WIDER2-20R2G	Gravity	2.0		0.36	410	320	High atomization	R2	375	Metals, Wood and furniture, medium-viscosity paints
W-200-251S	WIDER2-25W1S	Suction	2.5			360	440 280				
W-200-251G	WIDER2-25W1G	Gravity	2.5	510 310		General atomization					
W-200-251G	WIDER2-25W1G	Gravity	2.5	360	440 280		General atomization	W1	375	Metals, Wood and furniture, anti-corrosion treatment for steel frames, high-viscosity paints	

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

