

WIDER



WIDER



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 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.



FEATURE 02 MAINTENANCE

New Models Make Maintenance Easier

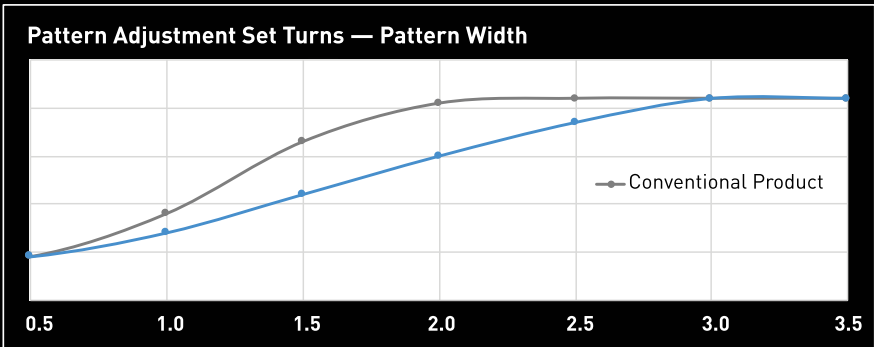
The new WIDER is designed for easier maintenance. We changed the thread pitch of the cap from 1.0 mm to 1.5 mm, so that it can be screwed on with 1.5 turns, which is half as many as before. Also, the back end of the needle valve is reshaped to make it easier to remove and attach. By adding straight threadless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

WIDER1 SPEC

Previous W-101 Part #	Previous W-101 Model #	Wider1 Part #	Wider1 Model #	Type of Feed	Fluid Nozzle diameter Φ mm	Atomizing air pressure bar/psi	Air consumption CFM	Fluid output mL/min	Pattern width mm/in	Air Cap	Weight g/lbs
4400B	W101-082P	10010	WIDER1-08E2P	Pressure	0.8	3.0/43	9.5	150	190/7.5	E2P	290/0.64
4403B	W101-102P	10011	WIDER1-10E2P	Pressure	1.0	3.0/43	9.5	200	220/8.7	E2P	290/0.64
4405B	W101-132P	10012	WIDER1-13E2P	Pressure	1.3	2.5/36	7.8	200	210/8.3	E2P	290/0.64
4407B	W101-152P	10013	WIDER1-15E2P	Pressure	1.5	2.5/36	7.8	250	240/9.4	E2P	290/0.64
4420B	W101-101S	10015	WIDER1-10E1S	Siphon	1.0	2.5/36	2.6	85	120/4.7	E1	290/0.64
4425B	W101-131S	10021	WIDER1-13K1S	Siphon	1.3	2.5/36	5.1	150	155/6.1	K1	290/0.64
4430B	W101-132S	10025	WIDER1-13H2S	Siphon	1.3	2.5/36	7.9	150	160/6.3	H2	290/0.64
4435B	W101-151S	10034	WIDER1-15K1S	Siphon	1.5	2.5/36	5.1	175	170/6.7	K1	290/0.64
4440B	W101-152S	10035	WIDER1-15H2S	Siphon	1.5	2.5/36	7.9	170	175/6.9	H2	290/0.64
4445B	W101-181S	10045	WIDER1-18N1S	Siphon	1.8	2.5/36	6.0	210	170/6.7	N1	290/0.64
4450B	W101-101G	10020	WIDER1-10E1G	Gravity	1.0	2.5/36	2.6	95	130/5.1	E1	290/0.64
4455B	W101-131G	10031	WIDER1-13K1G	Gravity	1.3	2.5/36	5.1	160	170/6.7	K1	290/0.64
4560B	W101-132G	10030	WIDER1-13H2G	Gravity	1.3	2.5/36	7.9	160	175/6.9	H2	290/0.64
4565B	W101-151G	10039	WIDER1-15K1G	Gravity	1.5	2.5/36	5.1	200	180/7.1	K1	290/0.64
4570B	W101-152G	10040	WIDER1-15H2G	Gravity	1.5	2.5/36	7.9	190	190/7.5	H2	290/0.64
4575B	W101-181G	10046	WIDER1-18N1G	Gravity	1.8	2.5/36	6.0	240	190/7.5	N1	290/0.64



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



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 that if not correctly positioned 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 produces consistent, repeatable results.

WIDER2 SPEC

Previous W-200 Part #	Previous W-200 Model #	Wider2 Part #	Wider2 Model #	Type of Feed	Fluid Nozzle diameter Ømm	Atomizing air pressure bar/psi	Air consumption CFM	Fluid output mL/min	Pattern width mm/in	Air Cap	Weight g/lbs
4600	W200-122P	20010	WIDER2-12G2P	Pressure	1.2	3.0/43	17.7	500	400/15.7	G2P	375/0.83
4605	W200-151S	20015	WIDER2-15K1S	Siphon	1.5	3.0/43	7.1	240	210/8.3	K1	375/0.83
4615	W200-152S	20020	WIDER2-15K2S	Siphon	1.5	3.0/43	11.7	240	290/11.4	K2	375/0.83
4625	W200-182S	20025	WIDER2-18K2S	Siphon	1.8	3.0/43	11.7	290	340/13.4	K2	375/0.83
4630	W200-201S	20030	WIDER2-20R1S	Siphon	2.0	3.0/43	9.2	350	260/10.2	R1	375/0.83
4640	W200-202S	20031	WIDER2-20R2S	Siphon	2.0	3.0/43	12.7	350	290/11.4	R2	375/0.83
4650	W200-251S	20033	WIDER2-25W1S	Siphon	2.5	3.0/43	12.7	440	280/11.0	W1	375/0.83
4610	W200-151G	20016	WIDER2-15K1G	Gravity	1.5	3.0/43	7.1	270	220/8.7	K1	375/0.83
4620	W200-152G	20021	WIDER2-15K2G	Gravity	1.5	3.0/43	11.7	270	320/12.6	K2	375/0.83
N/A	W200-182G	20026	WIDER2-18K2G	Gravity	1.8	3.0/43	11.7	290	340/13.4	K2	375/0.83
4635	W200-201G	20035	WIDER2-20R1G	Gravity	2.0	3.0/43	9.2	410	280/11.0	R1	375/0.83
4645	W200-202G	20032	WIDER2-20R2G	Gravity	2.0	3.0/43	12.7	410	320/12.6	R2	375/0.83
4655	W200-251G	20034	WIDER2-25W1G	Gravity	2.5	3.0/43	12.7	510	310/12.2	W1	375/0.83



●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



WIDER1L SPEC

Previous LPH-101 Part #	Previous LPH-101 Model #	Wider1L Part #	Wider1L Model #	Type of Feed	Fluid Nozzle diameter Φ mm	Atomizing air pressure bar/psi	Air consumption CFM	Fluid output mL/min	Pattern width mm/in	Air Cap	Weight g/lbs
5325B	LPH-101-122P	11010	WIDER1L-12G2P	Pressure	1.2	3.4/49.3	18.7	350	270/10.6	WIDER1L-G2	290/0.64
N/A	LPH-101-124LVS	11015	WIDER1L-2-12J2S	Siphon	1.2	1.0/14.5	7.1	60	170/6.7	WIDER1L-2-J2	290/0.64
5375B	LPH-101-144LVS	11025	WIDER1L-2-14J2S	Siphon	1.4	1.0/14.5	7.1	80	180/7.1	WIDER1L-2-J2	290/0.64
5385B	LPH-101-164LVS	11035	WIDER1L-2-16J2S	Siphon	1.6	1.0/14.5	7.1	95	190/7.5	WIDER1L-2-J2	290/0.64
5360B	LPH-101-124LVG	11020	WIDER1L-2-12J2G	Gravity	1.2	1.0/14.5	7.1	80 ^{※1}	200/7.9 ^{※1}	WIDER1L-2-J2	290/0.64
5370B	LPH-101-144LVG	11030	WIDER1L-2-14J2G	Gravity	1.4	1.0/14.5	7.1	130 ^{※1}	220/8.7 ^{※1}	WIDER1L-2-J2	290/0.64
5390B	LPH-101-164LVG	11040	WIDER1L-2-16J2G	Gravity	1.6	1.3/18.9	8.5	100	220/8.7	WIDER1L-2-J2	290/0.64

●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 LPH-200 Part #	Previous LPH-200 Model #	Wider2L Part #	Wider2L Model #	Type of Feed	Fluid Nozzle diameter Φ mm	Atomizing air pressure bar/psi	Air consumption CFM	Fluid output mL/min	Pattern width mm/in	Air Cap	Weight g/lbs
5403	LPH-200-102P	21010	WIDER2L-10G2P	Pressure	1.0	2.0/28	16.6	300	250/9.8	WIDER2L-G2	375/0.83
5400	LPH-200-122P	21011	WIDER2L-12G2P	Pressure	1.2	2.0/28	16.6	500	300/11.8	WIDER2L-G2	375/0.83
5405	LPH-200-142P	21012	WIDER2L-14G2P	Pressure	1.4	2.0/28	16.6	500	300/11.8	WIDER2L-G2	375/0.83
5407	LPH-200-106LVP	21015	WIDER2L-2-10G2P	Pressure	1.0	2.0/28	15.2	100	330/13.0	WIDER2L-2-G2	375/0.83
5408	LPH-200-126LVP	21020	WIDER2L-2-12G2P	Pressure	1.2	2.0/28	15.2	130	350/13.8	WIDER2L-2-G2	375/0.83

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



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.

● 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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ANEST IWATA USA, Inc.
10148 Commerce Park Drive, Cincinnati, Ohio 45246
Toll Free: (800) 470-7068 | questions@anestiwata.com
www.ANESTIWATA.com