



XT Automatic

Automatic HVLP, Compliant and Air Spray Guns



XT Auto Air Spray

XT Auto HVLP

XT Auto Compliant

Superior atomization for Air Spray, HVLP and Compliant in wood and industrial metal finishing applications

FEATURES AND BENEFITS

- Wide standard product offering with Compliant gun models, in addition to HVLP and Air Spray.
- Models available with a fluid control knob
- Consistent spray pattern for a high quality finish
- Lightweight and compact rounded gun design
- Stainless steel construction handles the toughest coatings, from acids to waterbornes
- Fewer parts means an overall lower cost of repair
- Indexing aircap provides fast and accurate positioning in either the vertical or horizontal position

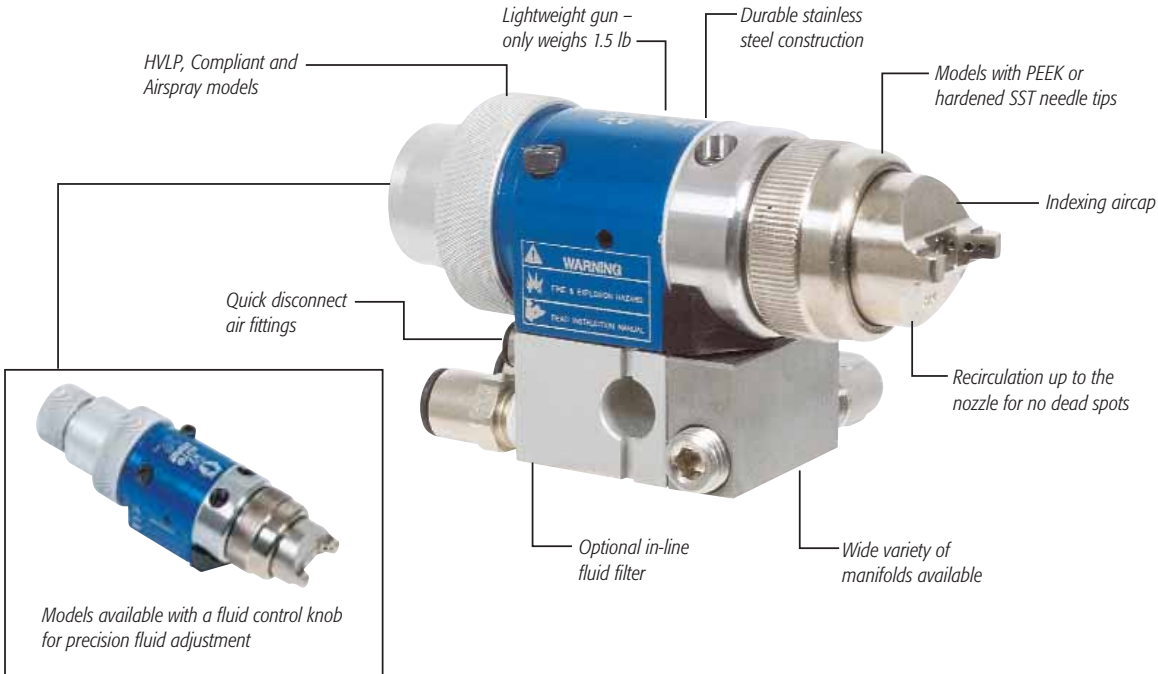
INDUSTRIAL

PROVEN QUALITY. LEADING TECHNOLOGY.

XT Series

Spray Gun Comparison

	HVLP	Compliant	Air Spray
Finish Quality	Good	Better	Best
Transfer Efficiency	High	High	Medium
Fluid Flow	Low	Medium	High
Air Flow	High	Low	Low



Technical Specifications

Maximum working fluid pressure	100 psi (7 bar, 0.7 MPa)
Maximum working air pressure	100 psi (7 bar, 0.7 MPa)
Maximum HVLP inbound air pressure (10 psi at cap)	35 psi (2.4 bar, 24 kPa)
Maximum compliant inbound air pressure	30 psi (2.1 bar, 21 kPa)
Minimum air cylinder actuation pressure	50 psi (3.4 bar, 34 kPa)
Trigger speed	50 msec (fully open or close)
Fluid and air operating temperature range	32° to 120° F (0° TO 49° C)
Gun weight	1.5 lb (680 g)
Gun and manifold weight	2.0 lb (907 g)
Atomizing air	3/8 in OD tube
Fan air	3/8 in OD tube
Cylinder air	1/4 in OD tube
Fluid inlet	1/4 in npsm
Wetted parts	stainless steel, PEEK, PTFE, UHMWPE, acetal chemically resistant fluoroelastomer
Dimensions (excluding fittings)	5.3 in L x 3.0 in H x 2.0 in W (135 mm L x 76 mm H x 51 mm W)
Length with fluid knob	6.4 in (163 mm)
Instruction manual	311051

Ordering Information

1. Determine type of technology (Air Spray, HVLP or Compliant)
2. Select material viscosity
 - Light:** up to 18 seconds with No. 2 Zahn cup (20 centipoise)
 - Medium:** 19 to 28 seconds with No. 2 Zahn cup (20-64 centipoise)
 - Heavy:** Greater than 28 seconds with No. 2 Zahn cup (greater than 64 centipoise) Includes 2.8 volatile organic compounds, heavy-solid polyurethanes, heavy waterborne enamels
3. Select average flow rate
4. Select pattern width
5. Order gun assembly
6. Select manifold

Air Spray Guns *(A manifold is required for each gun to be installed.)*

Part Number Assembly	Gun Configuration	Orifice Size	Material Viscosity	Flow oz/min (l/min)	Max. Pattern Width in (mm)
249369	PEEK Needle Tip	0.030 (0.8)	light	4-10 (0.12-0.30)	15 (381)
249370	PEEK Needle Tip	0.042 (1.1)	light-medium	8-14 (0.24-0.42)	16 (406)
249371	PEEK Needle Tip	0.055 (1.4)	medium	12-18 (0.36-0.54)	16 (406)
249372	PEEK Needle Tip	0.070 (1.8)	medium-heavy	16-20 (0.48-0.60)	17 (432)
249375	Hardened SST Needle Tip	0.042 (1.1)	light-medium	8-14 (0.24-0.42)	16 (406)
249376	Hardened SST Needle Tip	0.055 (1.4)	medium	12-18 (0.36-0.54)	16 (406)
249377	PEEK Tip w/ Fluid Control Knob	0.030 (0.8)	light	4-10 (0.12-0.30)	15 (381)
249378	PEEK Tip w/ Fluid Control Knob	0.042 (1.1)	light-medium	8-14 (0.24-0.42)	16 (406)
249379	PEEK Tip w/ Fluid Control Knob	0.055 (1.4)	medium	12-18 (0.36-0.54)	16 (406)
249380	PEEK Tip w/ Fluid Control Knob	0.070 (1.8)	medium-heavy	16-20 (0.48-0.60)	17 (432)

HVLP Spray Guns *(A manifold is required for each gun to be installed.)*

Part Number Assembly	Gun Configuration	Orifice Size	Material Viscosity	Flow oz/min (l/min)	Max. Pattern Width in (mm)
249388	PEEK Needle Tip	0.030 (0.8)	light	4-10 (0.12-0.30)	15 (381)
249389	PEEK Needle Tip	0.042 (1.1)	light-medium	8-14 (0.24-0.42)	16 (406)
249390	PEEK Needle Tip	0.055 (1.4)	medium	12-18 (0.36-0.54)	16 (406)
249391	PEEK Needle Tip	0.070 (1.8)	medium-heavy	16-20 (0.48-0.60)	17 (432)
249394	Hardened SST Needle Tip	0.042 (1.1)	light-medium	8-14 (0.24-0.42)	16 (406)
249395	Hardened SST Needle Tip	0.055 (1.4)	medium	12-18 (0.36-0.54)	16 (406)
249396	PEEK Tip w/ Fluid Control Knob	0.030 (0.8)	light	4-10 (0.12-0.30)	15 (381)
249397	PEEK Tip w/ Fluid Control Knob	0.042 (1.1)	light-medium	8-14 (0.24-0.42)	16 (406)
249398	PEEK Tip w/ Fluid Control Knob	0.055 (1.4)	medium	12-18 (0.36-0.54)	16 (406)
249399	PEEK Tip w/ Fluid Control Knob	0.070 (1.8)	medium-heavy	16-20 (0.48-0.60)	17 (432)

Compliant Spray Guns *(A manifold is required for each gun to be installed.)*

Part Number Assembly	Gun Configuration	Orifice Size	Material Viscosity	Flow oz/min (l/min)	Max. Pattern Width in (mm)
249407	PEEK Needle Tip	0.030 (0.8)	light	4-10 (0.12-0.30)	15 (381)
249408	PEEK Needle Tip	0.042 (1.1)	light-medium	8-14 (0.24-0.42)	16 (406)
249409	PEEK Needle Tip	0.055 (1.4)	medium	12-18 (0.36-0.54)	16 (406)
249410	PEEK Needle Tip	0.070 (1.8)	medium-heavy	16-20 (0.48-0.60)	17 (432)
288049	Hardened SST Needle Tip	0.042 (1.1)	light-medium	8-14 (0.24-0.42)	16 (406)
288050	Hardened SST Needle Tip	0.055 (1.4)	medium	12-18 (0.36-0.54)	16 (406)
249411	PEEK Tip w/ Fluid Control Knob	0.030 (0.8)	light	4-10 (0.12-0.30)	15 (381)
249412	PEEK Tip w/ Fluid Control Knob	0.042 (1.1)	light-medium	8-14 (0.24-0.42)	16 (406)
249413	PEEK Tip w/ Fluid Control Knob	0.055 (1.4)	medium	12-18 (0.36-0.54)	16 (406)
249414	PEEK Tip w/ Fluid Control Knob	0.070 (1.8)	medium-heavy	16-20 (0.48-0.60)	17 (432)

Accessories

Manifolds *(A manifold is required for each gun to be installed)*

- 288221** Manifold with bottom fluid ports
- 288217** Manifold with side fluid ports
- 288223** Manifold with manual fan control with side fluid ports

- 288160** **Rear Port Manifold**
Rear exit fluid fitting manifold. Designed for robotic or compact applications
- 288197** **Manifold Adapter Plate**
Allows the manifold to be attached to a variety of bolt patterns
- 288091** **Fluid Control Knob**
Replaces the piston cap for precision fluid adjustment

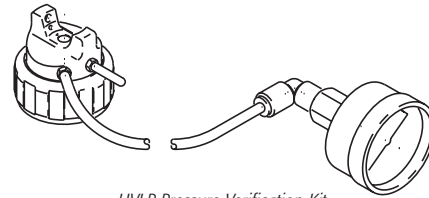


Rear port manifold

HVLP Air Pressure Verification Kit

For use in checking air cap atomization or fan air pressure at various supply air pressures. Not to be used for actual spraying.
Note: To be HVLP compliant, the atomizing air pressure must not exceed 10 psi (70 MPa, 0.7 bar). Orifice size in inches (mm).

- 234736** 0.030 (0.762), 0.042 (1.067), 0.055 (1.397)
- 234737** 0.070 (1.778), 0.086 (2.184)
- 234738** 0.110 (2.790)



HVLP Pressure Verification Kit

Air Caps

Orifice Size	Air Spray Part No.	HVLP Part No.	Compliant Part No.
0.030-0.070 (0.8-1.8)			
Large Spray Pattern	288133	288134	288132
Medium Spray Pattern	234758*	N/A	N/A
Small Spray Pattern	234756*	N/A	N/A
0.086* (2.2)	234760	234754	N/A
0.110* (2.8)	234761	234755	N/A

*Does not have indexing feature

Nozzles/Needles/Needle Tips (HVLP, Air Spray & Compliant)

Orifice Size	Nozzle	Needle Assembly	Needle Tip	Needle/Nozzle Kit
0.030 (0.762)	234741	288175	288183*	15F829
0.042 (1.067)	234742	288176	288184*	15F830
0.055 (1.397)	234744	288177	288185*	15F831
0.059 (1.499)	234745	288177	234778	N/A
0.070 (1.778)	234746	288178	288187*	15F832
0.086 (2.184)	234747	288179	234779	15F833
0.110 (2.790)	234748	288180	234780	15F834
0.042 (hardened sst)	234749	288181	N/A	15F835
0.055 (hardened sst)	234750	288182	N/A	15F836
0.070 (hardened sst)	234751	288182	N/A	N/A

*Needle tip part numbers are for packages of 5

All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Call today for product information or to request a demonstration.

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