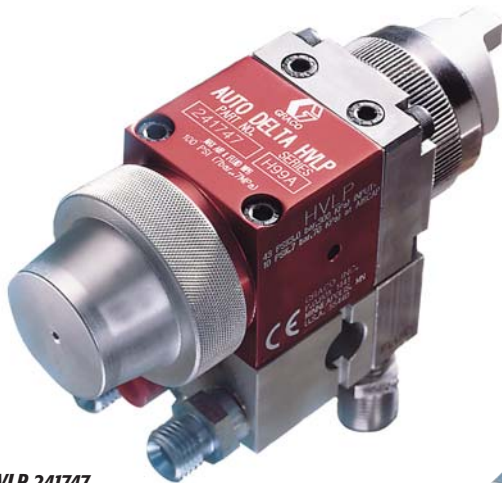




DELTA SPRAY®

Automatic HVLP and Air Spray Guns



*Delta Spray HVLP 241747
Manifold 241696*



*Delta Spray Air Spray 241739
Manifold 241697*

Superior atomization for HVLP and air spray in wood and industrial metal finishing applications.

FEATURES

- Outstanding finish quality
- Easily converts from air spray to HVLP
- Easy-to-service, modular, and compact
- Flexible design
- Stainless steel construction

BENEFITS

- Superior atomization at higher flow rates
- Meets environmental regulation requirements
- Less downtime for increased productivity
- Converts from circulating to non-circulating
- Handles a wide range of stains, latex, adhesives and sealants

INDUSTRIAL

PROVEN QUALITY. LEADING TECHNOLOGY.

Typical Applications

- Wood finishing
- Auto feeder
- Truck and bus
- Aerospace
- General metal
- Auto assembly

Typical Fluids Handled

- NGR stains
- Latex
- Adhesives and sealants
- Waterborne coatings
- High solid polyurethanes
- Topcoats
- Primers
- Epoxies

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 compliant inbound air pressure (HVLP only)	43 psi (3.0 bar, 300 MPa)
Minimum air cylinder actuation pressure	50 psi (3.4 bar, 340 MPa)
Atomizing air pressure for HVLP	
Gun inlet pressure	43 psi (3.0 bar, 300 MPa)
Nominal atomizing pressure	10 psi (7.0 bar, 70 MPa)
Fluid and air operating temperature range	32° to 120° F (0° TO 49° C)
Weight	2.2 lb. (992 g)
Air inlet	1/4-18 npsm (R1/4-19) compound thread
Fluid inlet	3/8-18 npsm (R3/8-19) compound thread
Wetted parts	316 and 17-4 PH stainless steel, PEEK, PTFE, UHMWPE, Delrin
Noise data for HVLP*	
Sound pressure	85.9 dBA
Sound power	86.7 dBA
Noise data for Air Spray**	
Sound pressure	89.4 dBA
Sound power	90.6 dBA
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)
Instruction manual	
HVLP models	309030
Air spray models	309029

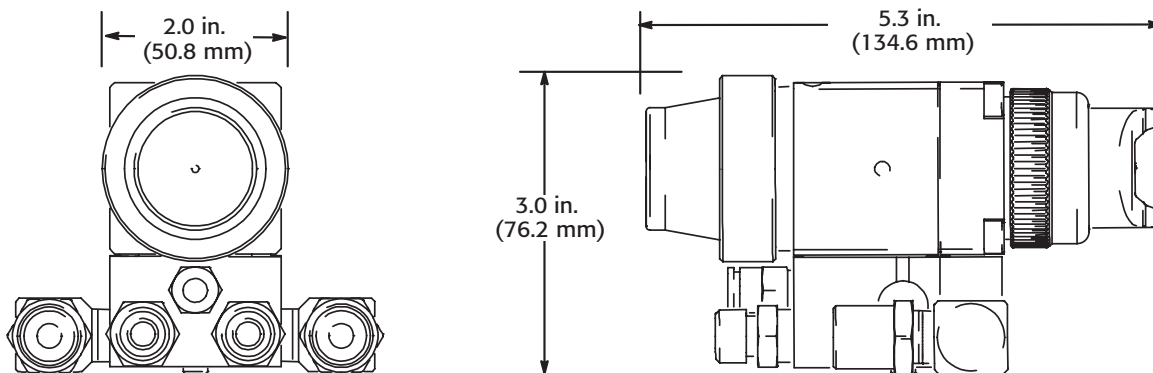
UHMWPE = Ultra High Molecular Weight Polyethylene

* All readings were taken with 43 psi (300 MPa, 3.0 bar) to both atom and fan parts

** All readings were taken with 50 psi (345 MPa, 3.4 bar) to both atom and fan parts

For both HVLP and Air Spray: Sound pressure was measured at 1 meter from unit. Sound power was tested in accordance with ISO 9614-2

Dimensions



Ordering Information

- Determine type of technology (Air Spray or HVLP)
- 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
- Select average flow rate
- Select pattern width
- Order gun assembly
- Select manifold

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

Gun Assembly Part No.	Needle/ Nozzle Kit Part No.	Air Cap** Part No.	Orifice Size in. (mm)	Pattern Length*** in. (mm)	Viscosity	Material Usage Average Flow oz./min. (lpm)
241737	241753	195309	0.030 (0.762)	15 (381)	Light	4-12 (0.12-0.36)
241738	241754	195309	0.042 (1.067)	17 (432)	Light-Medium	8-20 (.024-0.60)
241739	241755	195309	0.055 (1.397)	17 (432)	Medium	16-30 (0.48-0.90)
241740	241756	195309	0.070 (1.778)	18 (457)	Medium-Heavy	16-35 (0.48-1.05)
N/A	241757	195311	0.086 (2.184)	13 (330)	Heavy	16-40 (.48-1.20)
N/A	241758	195312	0.110 (2.790)	11 (279)	Heavy	16-45 (.48-1.35)
241743*	241759*	195309	0.042 (1.067)	17 (432)	Light-Medium	8-20 (0.24-0.60)
241744*	241760*	195309	0.055 (1.397)	17 (432)	Medium	8-20 (0.48-0.90)

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

Gun Assembly Part No.	Needle/ Nozzle Kit Part No.	Air Cap* Part No.	Orifice Size in. (mm)	Pattern Length*** in. (mm)	Viscosity	Material Usage Average Flow oz./min. (lpm)
241745	241769	195304	0.030 (0.762)	15 (381)	Light	4-10 (0.12-0.30)
241746	241770	195304	0.042 (1.067)	17 (432)	Light-Medium	8-14 (0.24-0.42)
241747	241771	195304	0.055 (1.397)	17 (432)	Medium	12-18 (0.36-0.54)
241748	241772	195305	0.070 (1.778)	18 (457)	Medium-Heavy	16-20 (0.48-0.60)
N/A	241773	195305	0.086 (2.184)	17 (432)	Heavy	18-22 (0.54-0.66)
N/A	241774	195306	0.110 (2.790)	18 (457)	Heavy	20-24 (0.60-0.72)
241751*	241775*	195304	0.042 (1.067)	17 (432)	Light-Medium	8-14 (0.24-0.42)
241752*	—	195304	0.055 (1.397)	17 (432)	Medium	12-18 (0.36-0.54)

* Stainless steel needle tip

** Large pattern air caps can be replaced with optional air caps for alternate spray patterns

*** Measured with gun nozzle 10 in. (254 mm) from target surface

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

- 241696** Manifold with bottom fluid ports
- 241697** Manifold with side fluid ports
- 243950** Manifold with manual fan control with side fluid ports

Accessories

Air Hose Assembly

Max. working pressure: 100 psi (0.7 MPa, 7 bar)
ID: 5/16 in. (7.94 mm). Swivel: 1/4 npsm(f), nitrile

239636 Length: 15 ft. (4.58 m)

239637 Length: 25 ft. (7.63 m)

Fluid Hose Assembly

Max. working pressure: 100 psi (0.7 MPa, 7 bar)
ID: 3/16 in. (4.76 mm). 3/8 npsm(fbe),
nylon with polyurethane cover

239633 Length: 15 ft. (4.58 m)

239634 Length: 25 ft. (7.63 m)

105749 Cleaning Brush

For use in cleaning gun

111265 Lubricant

One 4 oz. (113 gram) tube of sanitary
(non-silicone) lubricant for fluid seals and wear areas

HVLP Only

185353 Optional Air Hose Assembly

Max. working pressure: 100 psi (0.7 MPa, 7 bar)
Optional air hose for use when higher air flow is required
3/8 in. ID x 25 ft. (9.53 mm x 7.625 m).
Swivel: 1/4 npsm(f), buna -N

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).

239609 0.030, 0.042, 0.055 (0.762, 1.067, 1.397)

239610 0.070, 0.086 (1.778, 2.184)

239611 0.110 (2.790)

Air Spray Only

Air Spray to HVLP Conversion

To convert your air spray gun to an HVLP spray gun:

1. Replace the Part No. 195318 Piston Housing with Part No. 195317 Piston Housing.
2. Replace the air spray nozzle and air cap as a set, using the HVLP nozzle and air cap sets. Refer to the following table.

Orifice Size	Air Spray Set		HVLP Set	
	Nozzle	Air Cap	Nozzle	Air Cap
.030 in.	192285	195309	192295	195304
.042 in.	192286	195309	192296	195304
.055 in.	192287	195309	192297	195304
.070 in.	192288	195309	192298	195305
.086 in.	192289	195311	192299	195305
.110 in.	192290	195312	192300	195306

Optional Air Caps for Air Spray

Air Cap Part No.	Pattern Type	Pattern Length** in. (mm)
192313*	Small Pattern	12 (305)
192316	Medium Pattern	14 (356)
192314*	Low Pressure	14 (356)

* Recommended for stains

** Measured with gun nozzle 10 in. (254 mm) from target surface

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.

1.877.84GRACO (1-877-844-7226) or visit us at www.graco.com.



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