



First choice when  
quality counts.™

# Delta Spray™

## Air Spray/HVLP Spray Finishing Gun

- **Finish Quality -**  
**Delta Spray**  
**provides superior**  
**atomization for**  
**HVLP and air**  
**spray applications.**
- **Ergonomics -**  
**Lightweight with**  
**a curved handle**  
**to reduce operator**  
**fatigue.**
- **Durability -**  
**Metal gun body**  
**capable of**  
**enduring tough**  
**working**  
**conditions.**
- **Flexibility -**  
**A gun that can be**  
**converted from**  
**air spray to HVLP.**



**Time to  
make the  
change  
to Graco**

Graco's new Delta Spray gun is a change for the better – available as an HVLP or air spray gun. The HVLP model meets today's strict environmental regulation requirements, while providing the superior finish quality of air spray. Delta spray offers a lightweight, user-friendly metal gun with the durability users have learned to expect from Graco. To meet future application needs, this gun can be converted from air spray to HVLP. Both models are designed with fewer repair parts for a gun that's easy to clean, maintain and service.

Delta Spray's smooth, curved handle fits comfortably in any size hand. Other ergonomic features include shorter trigger reach, light trigger pull, an integral air swivel and outstanding overall balance.

It's time to make the change to Delta Spray!

### Typical Fluids Handled

- NGR stains
- Waterborne coatings
- High solids polyurethanes
- Latex
- Topcoats
- Solventborne coatings
- Adhesives and sealants
- Primers
- Epoxy

### Typical Applications for HVLP and Air Spray

- Wood finishing
- Aerospace
- Truck and bus
- Automotive assembly
- Feeder components
- General metal

COMPONENTS

# Ordering Information for HVLP Spray Guns

## Definition of Fluid Viscosities:

**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*

## HVLP Spray Gun Assemblies: Pressure Feed Guns

| Gun Assembly Part No. | Needle/ Nozzle Kit Part No. | Air Cap  |          | Orifice Size in. (mm) | Pattern Length† in. (mm) | Material Usage: |                             |
|-----------------------|-----------------------------|----------|----------|-----------------------|--------------------------|-----------------|-----------------------------|
|                       |                             | Part No. | Type     |                       |                          | Viscosity       | Average Flow oz./min. (lpm) |
| <b>239-559</b>        | 239-600                     | 192-321  | Pressure | 0.030 (0.762)         | 15 (381)                 | Light           | 4-10 (0.12-0.30)            |
| <b>239-560</b>        | 239-601                     | 192-321  | Pressure | 0.042 (1.067)         | 16 (406)                 | Light-Medium    | 8-14 (0.24-0.42)            |
| <b>239-561</b>        | 239-602                     | 192-321  | Pressure | 0.055 (1.397)         | 16 (406)                 | Medium          | 12-18 (0.36-0.54)           |
| <b>239-562</b>        | 239-603                     | 192-322  | Pressure | 0.070 (1.778)         | 17 (432)                 | Medium-Heavy    | 16-20 (0.48-0.60)           |
| <b>239-563</b>        | 239-604                     | 192-322  | Pressure | 0.086 (2.184)         | 17 (432)                 | Heavy           | 18-22 (0.54-0.66)           |
| <b>239-564</b>        | 239-605                     | 192-323  | Pressure | 0.110 (2.790)         | 18 (457)                 | Heavy           | 20-24 (0.60-0.72)           |
| <b>239-565*</b>       | 239-606*                    | 192-321  | Pressure | 0.042 (1.067)         | 16 (406)                 | Light-Medium    | 8-14 (0.24-0.42)            |
| <b>239-566*</b>       | 239-607*                    | 192-321  | Pressure | 0.055 (1.397)         | 16 (406)                 | Medium          | 12-18 (0.36-0.54)           |

## HVLP Spray Gun Assemblies: Gravity Feed Guns

| Gun Assembly Part No. | Needle/ Nozzle Kit Part No. | Air Cap  |         | Orifice Size in. (mm) | Pattern Length† in. (mm) | Material Usage: |                             |
|-----------------------|-----------------------------|----------|---------|-----------------------|--------------------------|-----------------|-----------------------------|
|                       |                             | Part No. | Type    |                       |                          | Viscosity       | Average Flow oz./min. (lpm) |
| <b>239-574</b>        | 239-592                     | 192-329  | Gravity | 0.055 (1.397)         | 14 (356)                 | Light-Medium    | 3-5 (0.09-0.15)             |
| <b>239-575</b>        | 239-593                     | 192-329  | Gravity | 0.070 (1.778)         | 16 (406)                 | Light-Medium    | 4-6 (0.12-0.18)             |

\* Stainless steel needle/tip

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

## HVLP Spray Gun and Pressure Cup Assemblies

| Gun and Cup Assembly Part No. | Includes:    |  |
|-------------------------------|--------------|--|
|                               | Gun Part No. | Cup and Regulator Part No.<br>1 qt. (0.95 liter) |
| <b>239-568</b>                | 239-560      | 239-802  |
| <b>239-569</b>                | 239-561      | 239-802  |
| <b>239-570</b>                | 239-562      | 239-802  |
| <b>239-571</b>                | 239-563      | 239-802  |

## HVLP Spray Gun and Gravity Cup Assemblies

| Gun and Cup Assembly Part No. | Includes:    |                                 |
|-------------------------------|--------------|---------------------------------|
|                               | Gun Part No. | Cup Part No.<br>16 oz. (474 cc) |
| <b>239-579</b>                | 239-574      | 239-714                         |
| <b>239-580</b>                | 239-575      | 239-714                         |

# Ordering Information for Air Spray Guns

## Definition of Fluid Viscosities:

**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*

## Air Spray Gun Assemblies: Pressure Feed Guns

| Gun Assembly Part No. | Needle/ Nozzle Kit Part No. | Air Cap** |          | Orifice Size in. (mm) | Pattern Length† in. (mm) | Material Usage: |                             |
|-----------------------|-----------------------------|-----------|----------|-----------------------|--------------------------|-----------------|-----------------------------|
|                       |                             | Part No.  | Type     |                       |                          | Viscosity       | Average Flow oz./min. (lpm) |
| 239-540               | 239-590                     | 192-315   | Pressure | 0.030 (0.762)         | 15 (381)                 | Light           | 4-12 (0.12-0.36)            |
| 239-541               | 239-591                     | 192-315   | Pressure | 0.042 (1.067)         | 17 (432)                 | Light-Medium    | 8-20 (0.24-0.60)            |
| 239-542               | 239-592                     | 192-315   | Pressure | 0.055 (1.397)         | 17 (432)                 | Medium          | 16-30 (0.48-0.90)           |
| 239-543               | 239-593                     | 192-315   | Pressure | 0.070 (1.778)         | 18 (457)                 | Medium-Heavy    | 16-35 (0.48-1.05)           |
| 239-544               | 239-594                     | 192-318   | Pressure | 0.086 (2.184)         | 13 (330)                 | Heavy           | 16-40 (0.48-1.20)           |
| 239-545               | 239-595                     | 192-319   | Pressure | 0.110 (2.790)         | 11 (279)                 | Heavy           | 16-45 (0.48-1.35)           |
| 239-548*              | 239-596*                    | 192-315   | Pressure | 0.042 (1.067)         | 17 (432)                 | Light-Medium    | 8-20 (0.24-0.60)            |
| 239-549*              | 239-597*                    | 192-315   | Pressure | 0.055 (1.397)         | 17 (432)                 | Medium          | 16-30 (0.48-0.90)           |

## Air Spray Gun Assemblies: Siphon Feed Guns

| Gun Assembly Part No. | Needle/ Nozzle Kit Part No. | Air Cap** |        | Orifice Size in. (mm) | Pattern Length† in. (mm) | Material Usage: |                             |
|-----------------------|-----------------------------|-----------|--------|-----------------------|--------------------------|-----------------|-----------------------------|
|                       |                             | Part No.  | Type   |                       |                          | Viscosity       | Average Flow oz./min. (lpm) |
| 239-546               | 239-592                     | 192-317   | Siphon | 0.055 (1.397)         | 10 (254)                 | Light           | 4-10 (0.12-0.30)            |
| 239-547               | 239-593                     | 192-317   | Siphon | 0.070 (1.778)         | 10 (254)                 | Light-Medium    | 8-12 (0.24-0.36)            |

## Air Spray Gun Assemblies: Gravity Feed Guns

| Gun Assembly Part No. | Needle/ Nozzle Kit Part No. | Air Cap** |         | Orifice Size in. (mm) | Pattern Length† in. (mm) | Material Usage: |                             |
|-----------------------|-----------------------------|-----------|---------|-----------------------|--------------------------|-----------------|-----------------------------|
|                       |                             | Part No.  | Type    |                       |                          | Viscosity       | Average Flow oz./min. (lpm) |
| 239-710               | 239-592                     | 192-317   | Gravity | 0.055 (1.397)         | 9 (229)                  | Light-Medium    | 4-10 (0.12-0.30)            |
| 239-711               | 239-593                     | 192-317   | Gravity | 0.070 (1.778)         | 9 (229)                  | Light-Medium    | 8-12 (0.24-0.36)            |

\* 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.

## Air Spray Gun and Siphon Cup Assemblies

| Gun and Cup Assembly Part No. | Includes:    |                                    |
|-------------------------------|--------------|------------------------------------|
|                               | Gun Part No. | Cup Part No.<br>1 qt. (0.95 liter) |
| 239-551                       | 239-546      | 239-582                            |
| 239-552                       | 239-547      | 239-582                            |

## Air Spray Gun and Gravity Cup Assemblies

| Gun and Cup Assembly Part No. | Includes:    |                                 |
|-------------------------------|--------------|---------------------------------|
|                               | Gun Part No. | Cup Part No.<br>16 oz. (474 cc) |
| 239-555                       | 239-710      | 239-714                         |
| 239-556                       | 239-711      | 239-714                         |

# Technical Specifications

- Maximum working fluid pressure ..... 100 psi (0.7 MPa, 7 bar)
- Maximum working air pressure ..... 100 psi (0.7 MPa, 7 bar)
- Maximum compliant inbound air pressure (HVLP only) ..... 40 psi (280 kPa, 2.8 bar)
- Fluid and air operating temperature range ..... 32° to 140° F (0° TO 60° C)
- Weight ..... 17.1 oz. (485 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 ..... 304 and 17-4 PH stainless steel, PEEK, acetal, UHMWPE
- Noise data for HVLP\*
  - Sound pressure ..... 84.4 dB(A)
  - Sound power ..... 94.0 dB(A)
- Noise data for Air Spray\*\*
  - Sound pressure ..... 80.8 dB(A)
  - Sound power ..... 89.9 dB(A)
- Dimensions ..... 6.7 in. L x 7.6 in. H (170 mm L x 193 mm H)
- Instruction manual
  - HVLP models ..... 308-741
  - Air spray models ..... 308-742

UHMWPE = Ultra High Molecular Weight Polyethylene

\* All readings were taken with the gun controls fully open and with 40 psi (280 kPa, 2.8 bar).

\*\* All readings were taken with the gun controls fully open and with 50 psi (345 kPa, 3.4 bar).

For both HVLP and Air Spray: Sound pressure was tested to CAGI-PNUEROP-1969 and sound power was tested to ISO 3744-1981.

| <b>Atomizing Air Pressure for HVLP</b> |  |
|--|--|
| Gun Inlet Pressure<br>psi (KPa, bar)   | Nominal Atomizing Pressure<br>psi (KPa, bar) |
| 10 (70, 0.7)                           | 1 (7, 0.1)                                   |
| 20 (140, 1.4)                          | 4 (28, 0.2)                                  |
| 30 (210, 2.1)                          | 7 (48, 0.4)                                  |
| 40 (280, 2.8)                          | 10 (70, 0.7)                                 |
| 50 (345, 3.4)                          | 13 (91, 0.9)                                 |
| 60 (410, 4.1)                          | 16 (111, 1.1)                                |
| 70 (480, 4.8)                          | 19 (132, 1.3)                                |

| <b>Optional Air Caps for Air Spray</b> |                |                              |
|--|----------------|------------------------------|
| Air Cap<br>Part No.                    | Pattern Type   | Pattern Length**<br>in. (mm) |
| 192-313                                | Small Pattern  | 12 (305)                     |
| 192-314                                | Medium Pattern | 14 (356)                     |
| 192-316*                               | Low Pressure   | 14 (356)                     |

\* Recommended for stains.  
 \*\* Measured with gun nozzle 10 in. (254 mm) from surface.

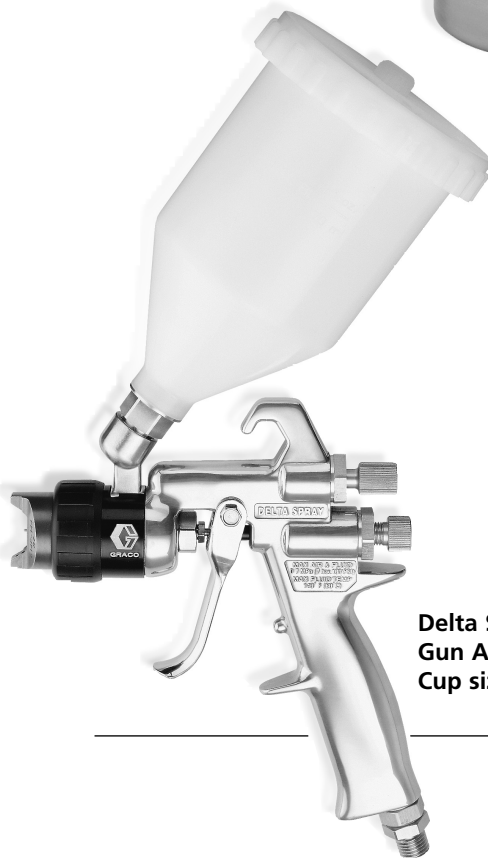
# Delta Spray Gun Assemblies



Delta Spray Air Spray Gun Assembly: Siphon Feed  
Cup size: 16 or 32 oz. (0.48 or 0.95 liter)



Delta Spray HVLP (shown) or Air Spray  
Gun Assembly: Pressure Feed  
Cup size: 32 oz. (0.95 liter)



Delta Spray HVLP or Air Spray (shown)  
Gun Assembly: Gravity Feed  
Cup size: 8 or 16 oz. (0.24 or 0.48 liter)

## Accessories

### 239-631 Air Whip Hose Assembly

Max. working pressure: 100 psi (0.7 MPa, 7 bar).  
Easier gun movement with increased hose flexibility.  
Length: 4 ft. (1.22 m). ID: 5/16 in. (7.94 mm).  
Swivel: 1/4 npsm(f), nitrile.

### 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.

**239-636** Length: 15 ft. (4.58 m)

**239-637** Length: 25 ft. (7.63 m)

### 239-622 Fluid Whip Hose Assembly

Max. working pressure: 100 psi (0.7 MPa, 7 bar).  
Easier gun movement with increased hose flexibility.  
Length: 4 ft. (1.22 m). ID: 3/16 in. (4.76 mm).  
3/8 npsm(fbe), nylon with polyurethane cover.

### 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.

**239-633** Length: 15 ft. (4.58 m)

**239-634** Length: 25 ft. (7.63 m)

### 111-543 Air Control Valve

Install on the gun air inlet to control both the atomizing air and the pressure in the spray gun cup (if used). 1/4 npsm x 1/4-19 BSPT.

### 235-119 Gun Air Regulator Assembly

Air regulator 0-100 psi (0-0.7 MPa, 0-7 bar) to control air pressure to gun. Note: installing the gun air regulator adds a pressure drop that could limit the air cap pressure.

### Gravity Cup Kit

For use with gravity feed gun. Nylon cup, 304 SST 3/8 npsm(f) fluid inlet fitting, fluid filter cartridge included.

**239-714** Size: 16 oz. (474 cc)

**239-715** Size: 8 oz. (237 cc)

### 105-749 Cleaning Brush

For use in cleaning gun.

### 111-265 Lubricant

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

### Disposable Polyethylene Cup Liners

Paint and solvent resistant. 40 liners per box. For use in 1 quart (0.95 liter) pressure and siphon cups.

**112-490** 1 Quart Cup Size

**112-491** 2 Quart Cup Size

## HVLP ONLY

### 185-353 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 atomizing 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 kPa, 0.7 bar).

#### Orifice Size in inches (mm)

**239-609** 0.030, 0.042, 0.055 (0.762, 1.067, 1.397)

**239-610** 0.070, 0.086 (1.778, 2.184)

**239-611** 0.110 (2.790)

**239-612** Gravity

### 239-802 SST Pressure Cup w/Single Air Regulator

1 qt. (0.95 liter) capacity, 304 SST cup. Includes a pressure relief valve and a single cup air regulator and gauge.

### 239-803 SST Pressure Cup w/Double Air Regulator

1 qt. (0.95 liter) capacity, 304 SST cup. Includes a pressure relief valve, a 0-100 psi (0-0.7 MPa, 0-7 bar) air regulator for gun atomization, and a 0-15 psi (0-104 kPa, 0-1.0 bar) air regulator for the 1 qt. pressure cup supply air. Note: installing the pressure cup kit adds a pressure drop that could limit the air cap pressure.

### 239-804 1 Quart Remote SST Pressure Cup

1 qt. (0.95 liter) capacity, 304 SST cup. Includes air pressure regulator and gauge, 4 ft. (1.2 m) length air and fluid hose with 1/4 npsm(f) swivel ends, pressure relief valve, and rigid hook handle.

## AIR SPRAY ONLY

### Siphon Cup

304 stainless steel.

**239-582** 1 Quart (0.95 Liter)

**239-584** 1 Pint (0.48 Liter)

### 239-587 Air Spray to HVLP Conversion Kit

For converting an air spray gun to a HVLP spray gun. Includes the HVLP fan valve and spray housing. **The appropriate needle, HVLP nozzle, and HVLP air cap must be ordered separately.**