



First choice when
quality counts.™

Optimiser™ HVLP Spray Gun



COMPONENTS

**High
performance
atomization
from a
lightweight,
waterborne
compatible
HVLP spray gun**

- **A complete line of fluid supply systems is available:**
 - fluid supply cups
 - pail cover systems
 - floor stand systems
 - Duo™ systems
- **Optional hanging hook included**
- **A full range of needles, nozzles and air caps are available**

Performance Second to None

The Optimiser HVLP gun offers the best performance on the market today, matching or exceeding the atomization quality of other HVLP systems at comparable pressures. Field tests have shown the Optimiser's transfer efficiency to be equal to or better than competitors, and double the transfer efficiency of conventional air spray.

Environmentally Sound

- 304 stainless steel wetted parts provide the industry's only waterborne-compatible HVLP spray gun.
- High transfer efficiency complies with the strict air quality rules established by the South Coast Air Quality Management District (SCAQMD).

Comfortable, Maneuverable and Durable

The Optimiser is the smallest, lightest HVLP gun on the market today.

- The contoured shape fits comfortably in the hand to maximize operator ease of use and reduce fatigue during long production hours.
- The compact design offers maximum maneuverability into tight corners and difficult angles.
- The gun body is made of reinforced advanced composite materials which are durable enough to withstand continuous use on an industrial finishing line.

Typical Fluids Handled

- | | | |
|-----------------------|-----------------------|----------------------------|
| • solventborne paints | • waterborne coatings | • high-solids polyurethane |
| • contact adhesive | • top coats | • primer, enamel primer |
| • latex | • epoxy | |

Typical Applications

- | | | |
|------------------|-------------------------------|------------------------------|
| • wood finishing | • plastic component finishing | • fabricated metal finishing |
|------------------|-------------------------------|------------------------------|

Spray Gun Selection Guide

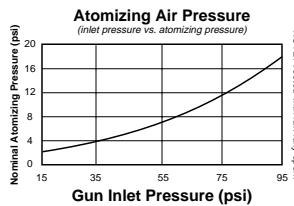
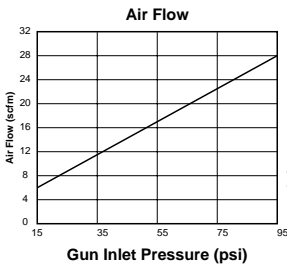
Part Number	Orifice Size	Material Usage
236-020	0.020 in. (0.508 mm)	Light fluids or low fluid flow: 3-6 oz./min. (.09-.18 lpm)
236-021	0.026 in. (0.660 mm)	Light fluids or low fluid flow: 3-6 oz./min. (.09-.18 lpm)
236-022	0.030 in.	Light-medium fluids or low fluid flow: 5-8 oz./min. (.15-.24 lpm)
236-013	0.042 in. (1.067 mm)	Light-medium fluids or low fluid flow: 5-8 oz./min. (.15-.24 lpm)
236-014	0.055 in. (1.5 mm)	Light-medium fluids or med. fluid flow: 6-12 oz./min. (.18-.36 lpm)
236-015	0.070 in. (1.8 mm)	Medium-heavy fluids or med. fluid flow: 6-12 oz./min. (.18-.36 lpm)
236-016	0.086 in. (2.184 mm)	Heavy fluids or high fluid flow: 10-15 oz./min. (.3-.45 lpm)

Light Fluid: <18 seconds with No. 2 Zahn cup (20 centipoise)
 Medium Fluid: 19-28 seconds with No. 2 Zahn cup (20-64 centipoise)
 Heavy Fluid: >28 seconds with No. 2 Zahn cup (>64 centipoise)

Technical Specifications

- Max. fluid output pressure 100 psi (0.7 MPa, 7 bar)
- Max. air pressure 100 psi (0.7 MPa, 7 bar)
- Max. compliant inbound air pressure 100 psi (0.7 MPa, 7 bar)
- Air inlet size 1/4-18 npsm (R1/4-19) compound thread
- Fluid inlet size 1/4-18 npsm (R3/8-19) compound thread
- Wetted parts 304 & 17-4 stainless steel
- Gun body length 6.4 in. (16.3 cm)
- Gun body height 6.9 in. (17.5 cm)
- Weight 14.9 oz. (422 g)
- Instruction manual 308-293

Air Flow and Atomizing Pressure



Accessories

- 236-449 Composite Fluid Regulator**
Regulates fluid pressure to the gun. Waterborne compatible. Inlet/outlet: 1/4 npt. Max. inlet pressure: 100 psi (0.7 MPa, 7 bar). Regulated pressure range: 3-30 psi (20.7-207 kPa, 0.21-2.1 bar).
- 210-867 Air Hose Assembly**
Length: 25 ft. (7.6 m). ID: 5/16 in. (7.9 mm). Swivel: 1/4 npsm(f), Buna-N. Max. working pressure: 100 psi (0.7 MPa, 7 bar).
- 205-142 Fluid Hose Assembly**
Nylon with neoprene cover. Length: 25 ft. (7.6 m). ID: 1/4 in. (2.4 mm), 3/8 npsm(fbe). Max. working pressure: 3000 psi (21.0 MPa, 210 bar).
- 235-119 Gun Air Regulator**
Controls air pressure to the gun. Regulated pressure range: 0-100 psi (0-0.7 MPa, 0-7 bar). Mounts on gun air inlet fitting.
- High Pressure (non-compliant) Gun Assemblies**
Air pressure to 50 psi (345 kPa, 3 bar) at nozzle.
236-023 0.042 in. (1.067 mm) orifice
236-024 0.055 in. (1.347 mm) orifice
- 189-755 Air Spray Air Cap**
This is a non-compliant air cap that can be used on the Optimiser for improved atomization.

Gun Maintenance

- 105-749 Cleaning Brush**
For cleaning gun.
- 111-265 Lubricant**
Non-silicone lubricant for fluid seals and wear areas.
- 224-187 Air Pressure Verification Kit**
For checking gun atomizing air pressure at various supply air pressures. Not to be used for actual spraying.
- 236-007 HVLP Gun Repair Kit**
Kit includes air valve assembly, Teflon® ring packing, U-cup nut seals and packing assembly including U-cup spreader, seal and packing washer.
Teflon® is a registered trademark of Du Pont.