US Patent Pending

HVLP Compressor Gun

Pressure Feed Gun for Use With HVLP V–Comp Spray System

135 psi (0.93 MPa, 9.3 bar) Maximum Inlet Air Pressure
50 psi (0.35 MPa, 3.5 bar) Maximum Inlet Fluid Pressure

Related Manuals

309245 – HVLP–V–Comp Spray System

Model 244119, without fluid set
Model 244120, with # 3 fluid set
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You will need:
Cleaning fluids: a compatible solvent; water–based paint also requires soap and water.

Suggested proper clothing:
• Safety glasses
• Sturdy boots or shoes
• Respirator
• Gloves

Warning Symbol

⚠️ WARNING
This symbol alerts you to the possibility of serious injury or death if you do not follow instructions.

Caution Symbol

⚠️ CAUTION
This symbol alerts you to the possibility of damage to or destruction of equipment if you do not follow instructions.
### Fire and explosion hazard:
Solvent and paint fumes can ignite or explode.
- Sprayers generate sparks. Keep sprayer at least 20 feet (6 m) from explosive vapors.
- **Use in an extremely well ventilated area.**
  - Eliminate all ignition sources; such as pilot lights, cigarettes and static arcs from plastic drop cloths. Do not plug or unplug power cords or turn lights on or off in spray area.
  - Ground Sprayer, object being sprayed, paint and solvent pails.
  - Do not use 1,1,1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents in pressurized aluminum equipment. Such use could result in a chemical reaction, with the possibility of explosion.

### Equipment Misuse Hazard:
Equipment misuse can cause the equipment to rupture or malfunction and result in serious injury.
- Before operating equipment, read all instruction manuals, tags, and labels.
- Check equipment daily. Repair or replace worn or damaged parts immediately.
- Do not exceed maximum working pressure (MWPR) of the lowest-rated system component.
- Use fluids and solvents that are compatible with the equipment wetted parts.
- Wear hearing protection when operating this equipment.
- Do not “blow back” fluid; this is not an air spray system.
- Follow **Pressure Relief** before cleaning, checking or servicing the equipment.

### TOXIC FLUID HAZARD:
Hazardous fluid or toxic fumes can cause serious injury or death if splashed in eyes or on skin, inhaled, or swallowed.
- Know specific hazards of fluid you are using and take protective measures as recommended by the fluid and solvent manufacturer.
Component Identification

- **Pattern adjustment knob** – Adjusts pattern from fan to round
- **Air cap and retaining ring** – Adjusts fan direction
- **Fluid flow/Pattern size control** – Adjusts fluid volume
- **Fluid inlet**
- **EasyGlide™ Trigger**
- **Air inlet**
PRESSURE RELIEF – Follow this procedure when cleaning, repairing or shutting down sprayer

Follow these instructions whenever you stop spraying.

1. Turn off air supply to the pot.
2. Open pressure relief (A) on pot until pressure is completely relieved. Close relief.

NOTE: All material and pressure noted in Selection Guide (below) are to be used with a #3 fluid set.

<table>
<thead>
<tr>
<th>Material / Pressure Selection Guide</th>
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</thead>
<tbody>
<tr>
<td>Material</td>
</tr>
<tr>
<td>----------</td>
</tr>
<tr>
<td>Dye</td>
</tr>
<tr>
<td>Ink</td>
</tr>
<tr>
<td>Non-Wiping Stain</td>
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<tr>
<td>Automotive Finish</td>
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<tr>
<td>Lacquer</td>
</tr>
<tr>
<td>Stain</td>
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<tr>
<td>Enamel</td>
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<tr>
<td>Epoxy</td>
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<td>Urethane</td>
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<tr>
<td>Multi-Spec</td>
</tr>
<tr>
<td>Butyrate</td>
</tr>
<tr>
<td>Nitrate Dope</td>
</tr>
<tr>
<td>Oil Wall Paint</td>
</tr>
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</table>

Note: For best quality paint pattern at low pressures follow paint manufacturer's recommendation for thinning. Read instruction manual for additional information.

* Spray Air Pressure with gun not triggered.

HVLP Spray
Air Spray

Fig. 1
Replacing the Fluid Set

<table>
<thead>
<tr>
<th>CAUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trigger the gun whenever you tighten or remove the nozzle. This keeps the needle away from the nozzle sealing surface and prevents it from being scratched.</td>
</tr>
</tbody>
</table>

1. Use your hand to loosen and remove the air cap retaining ring and air cap housing.

2. **While triggering the gun**, use your hand to loosen and remove the nozzle.

3. Use your hand to loosen and remove the fluid knob assembly and compression spring from the back of the gun. Remove the old needle.

4. Insert new needle assembly in the back of the gun. Reassemble fluid knob and spring, nozzle, air cap housing and air cap retaining ring. Hand tighten.

**NOTE:** Only use a #3 fluid set with pressure feed guns.

**Note:** Nozzle should always have an o–ring (A).
Setup

1. Connect .375 in. (9.53 mm) diameter air hose to gun and compressor.
   Connect 0.25 in. (6.35 mm) diameter air hose to pressure pot and compressor.

2. Connect fluid hose to gun and pressure pot.

For remote pressure pot, hold gun parallel to floor and adjust fluid pressure to an 8 to 10 inch (203 to 254 mm) fluid stream.

NOTE: Heavier fluids or longer fluid hoses require greater pressures.

Reduce and test catalyze all paint to manufacturer’s specifications.
- If no reduction instructions are given, mix fluid thoroughly. Gradually mix in reducer. To check fluid consistency: remove stir stick from thinned paint. When paint streaming off stick breaks into droplets, first few drops should be one second apart.
- To compensate for faster drying time of compressor–based systems, use a reducer one step slower than used for conventional air spray systems.
Setup

3. Plug power cord into a grounded outlet.

SPRAY

1. Turn power switch on. Allow sprayer to run until the motor stops and maximum tank pressure is reached.

2. Turn air cap to obtain desired fan pattern direction.
3. Hold air cap in place by tightening retaining ring.

4. Select spray pattern by adjusting the fluid knob and pattern adjustment knob.

   - **Round Pattern**
     - Set knob to RND
   - **Vertical Pattern**
     - Set knob to FAN
   - **Horizontal Pattern**
     - Set knob to FAN

   **Note:** If fluid is not atomizing properly, fluid may need to be thinned further, or a different tip size may be used.

5. Hold gun perpendicular, 6–8 inches from surface.
   Move gun first, then pull gun trigger to spray.

6. To control over-spray, reduce fluid volume.

   **Note:** If fluid is not atomizing properly, fluid may need to be thinned further, or a different tip size may be used.
Shutdown

Cleaning the Spray Gun

1. Perform **Pressure Relief Procedure**. Empty excess material from pressure pot.

2. Add compatible cleaning solvent or soapy water (water base) to pot.

3. Turn fan control to round spray pattern.
4. Trigger gun until solvent or soapy water (water base) runs clean.

5. Turn power switch to off.

6. **Perform Pressure Relief.** Properly dispose of excess solvent in accordance with local regulations.
Parts for HVLP V–COMP Gun

Models 244119, 244120
# Parts for HVLP V–COMP GUN

## Models 244119, 244120

<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>Part No.</th>
<th>Description</th>
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<th>Part No.</th>
<th>Description</th>
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† Model 244120 only

Replacement instruction and warning labels are available at no cost.
Technical Data

Maximum inlet fluid pressure .............................................................. 50 psi (0.35 MPa, 3.5 bar)
Maximum inlet air pressure ................................................................. 135 psi (0.93 MPa, 9.3 bar)
Air inlet .................................................................................................. Quick-disconnect
Fluid inlet ............................................................................................... 3/8 nps

Sound levels per ISO 3744

Sound power level .................................................................................. less than 65.0 dB(A)
Sound pressure level ................................................................................ less than 65.0 dB(A)

Wetted parts

Spray gun ................................................................................................. stainless steel, aluminum
2 1/2-gallon accessory remote pressure pot .............................................. PTFE finish, polyethylene

Accessories

SST 1 Qt. Cup w/Single Air Regulator Kit 245181
1 qt. (0.95 liter) capacity, 304 SST cup. Includes a pressure relief valve and a single cup air regulator and gauge.
Graco Warranty

Graco warrants all equipment manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale by an authorized Graco distributor to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco’s written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Graco’s sole obligation and buyer’s sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

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ADDITIONAL WARRANTY COVERAGE

Graco does provide extended warranty and wear warranty for products described in the “Graco Contractor Equipment Warranty Program”.

Graco Phone Number

TO PLACE AN ORDER, contact your Graco distributor, or call this number to identify the distributor closest to you:

1–800–690–2894  Toll Free

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