Operation and Parts

Texture Gun & Hopper

- For Water-Based Materials Only -

Model 245924 Series A, B, and C

100 psi (7 bar, 0.7 MPa) Maximum Working Air Pressure
60 psi (4.1 bar, 0.41 MPa) Maximum Working Fluid Pressure

Read warnings and instructions.

Related Manuals

309585
309586
### Equipment Misuse Hazard
Equipment misuse can cause equipment to rupture, malfunction, or start unexpectedly and cause serious injury.

- Before operating this equipment, read all manuals, tags, and labels including material labels and instructions.
- Do not expose system to rain. Always store system indoors.
- Do not alter or modify equipment.
- Do not spray cementitious materials.
- Do not exceed maximum working pressure of lowest rated component in your system.
- Check equipment daily. Repair or replace worn or damaged parts immediately.
- To reduce risk of serious injury, including electric shock and splashing fluid in eyes, follow Pressure Relief Procedure, page 3 before servicing the unit.
- Do not use hoses to pull equipment.
- Route hoses away from traffic areas, sharp edges, moving parts and hot surfaces. Do not expose Graco hoses to temperatures above 130 F (55 C) or below -35 F (-37 C).
- Store hazardous fluid in an approved container. Dispose of hazardous fluid according to all local, state and national guidelines.
- Never directly inhale compressed air. Compressed air may contain toxic vapors.

### Electric Shock Hazard
To reduce the risk of electric shock:

- Be sure sprayer is adequately grounded through electrical outlet.
- Use only 3-wire, extension cords.
- Make sure ground prongs are intact on sprayer and extension cords.
- Do not operate with cover removed.
- Turn off sprayer. Follow Pressure Relief Procedure, page 3, and unplug unit, before removing any parts.
### WARNINGS

<table>
<thead>
<tr>
<th></th>
<th>Pressurized Equipment Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fluid from gun, leaks or ruptured components can splash in the eyes or on skin and cause serious injury.</td>
</tr>
<tr>
<td></td>
<td>- Follow <strong>Pressure Relief Procedure, page 3</strong> when you stop spraying and before cleaning, checking or servicing.</td>
</tr>
<tr>
<td></td>
<td>- Do not point spray gun at anyone; put hand, fingers or rag over nozzle, or stop or deflect leaks with your hand, body, glove, or rag.</td>
</tr>
<tr>
<td></td>
<td>- Wear protective clothing, gloves, and eyewear.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Cleaning Solvent Hazard with Plastic Parts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Use only compatible water-based solvents to clean plastic structural or pressure-containing parts. Many solvents can degrade plastic parts to the point where they could fail. Such failure could cause serious injury or property damage. See Technical Data on page of this instruction manual and in all other equipment manuals. Read fluid and solvent manufacturer’s warnings.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Sprayer Warnings</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>For sprayer operation and warning information refer to your sprayer or compressor operation manual.</td>
</tr>
</tbody>
</table>

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### Pressure Relief Procedure

To reduce the risk of serious bodily injury, including electric shock and splashing fluid in eyes, follow this procedure whenever you stop spraying:

1. Shut OFF air source.
2. Disconnect power source.
3. Turn gun air valve ON.

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### Grounding

To reduce risk of electrical shock, proper electrical grounding is essential. See your sprayer or compressor instruction manual and consult your local electrical codes for detailed grounding instructions.
## Component Identification

<table>
<thead>
<tr>
<th>Identifier</th>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Air Valve</td>
<td>Adjusts air to material mix ratio.</td>
</tr>
<tr>
<td>B</td>
<td>Flow Adjustment Nut</td>
<td>Sets needle position.</td>
</tr>
<tr>
<td>C</td>
<td>Trigger</td>
<td>Engages material flow.</td>
</tr>
<tr>
<td>D</td>
<td>Trigger Lock</td>
<td>Holds trigger open to assist operator during long jobs.</td>
</tr>
<tr>
<td>E</td>
<td>Material Fill Opening</td>
<td>Where mixed material is loaded into hopper. For overhead applications and high walls, position hopper on gun with material fill opening facing toward nozzle (J) (front) of gun. For all other applications, material fill opening should face toward the air valve (A) (back) of gun.</td>
</tr>
<tr>
<td>F</td>
<td>Handles</td>
<td>Provided for operator comfort and relieve operator fatigue during long jobs.</td>
</tr>
<tr>
<td>G</td>
<td>Hopper</td>
<td>Holds material.</td>
</tr>
<tr>
<td>H</td>
<td>Gun Plug</td>
<td>Must be in place when material hose is used with texture pump system. To use hopper, remove plug and install hopper as described on page 5.</td>
</tr>
<tr>
<td>J</td>
<td>Nozzle</td>
<td>Different sizes available for use with different applications, See Nozzle Selection chart, page 7.</td>
</tr>
<tr>
<td>K</td>
<td>Hose Plug</td>
<td>Must be installed when hopper is used. This feature is not utilized in this application. See Graco RTX manual for installation and operating instructions for this feature.</td>
</tr>
<tr>
<td>M</td>
<td>Air Fitting</td>
<td>Quick Disconnect used to attach air hose to gun.</td>
</tr>
<tr>
<td>N</td>
<td>Clamp</td>
<td>Secures hopper on gun.</td>
</tr>
<tr>
<td>P</td>
<td>Gun Plug Clip</td>
<td>Secures gun plug to gun.</td>
</tr>
</tbody>
</table>
Basic Operation

Hopper Installation

1. The Hose Plug must be securely fastened to bottom of gun when using the Hopper. Gun Plug must be removed from top of gun.

2. Align notched opening in base of hopper to raised notch on hopper port of gun body.

3. Push hopper down, over hopper port as far as it will go.

4. Fasten clamp.

5. Connect air hose to gun.


7. Fill hopper with texture mix.

8. Open air valve.


For overhead applications and high walls, position the hopper on the gun with the material fill opening facing toward the nozzle (front) of the gun. For all other applications, material fill opening should face the air valve (back) of the gun.

It is easier to remove plug if...
Mixing Material

Correct material mixture is essential to achieve the desired finish.

Mix the material in a separate container before pouring it into hopper.

Dry Mix - 40 lb (18 kg) bag.

For best results do not use partial bags of material.

1. Slowly add one 40 lb. (18 kg) bag of texture material to 5-6 gallons (18.9-22.7 liters) of clean water as instructed on the bag instructions.

2. Agitate to mix, using a half-inch, variable speed drill with mixing paddle, to a smooth, lump-free consistency.

3. Allow ceiling texture to set for at least 15 minutes. Then remix prior to use.

Premix

1. Slowly add approximately 2 to 4 qts (1.9 to 3.8 liters) of water to a 5 gallon (18.9 liter) bucket of premix.

2. Agitate to mix, using a half-inch, variable speed drill with a mixing paddle, to a smooth, lump-free consistency.
Spray Techniques

Recommended Nozzle Selection Chart

<table>
<thead>
<tr>
<th>Application</th>
<th>Nozzle Size²</th>
<th>Air Volume¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simulated Acoustic</td>
<td>6 mm, white (fine to medium) 8 mm, gray (coarse)</td>
<td>medium to high</td>
</tr>
<tr>
<td>Orange peel</td>
<td>4 mm, beige 6 mm, white</td>
<td>medium to high</td>
</tr>
<tr>
<td>Splatter coat</td>
<td>6 mm, white 8 mm, gray</td>
<td>low to medium</td>
</tr>
<tr>
<td>Knockdown</td>
<td>8 mm, gray 12 mm, black</td>
<td>low</td>
</tr>
</tbody>
</table>

¹Control air volume with gun air valve.
²For more material volume try a larger nozzle.

Adjusting the System

Sufficient fluid output (volume and pressure) and good atomization is a balance of atomizing air, material thickness/material flow and nozzle selection. Achieving the correct balance for your application requires experimentation to achieve desired results. Keep in mind these important points when adjusting gun:

1. Select proper nozzle for your application. See Nozzle Selection Chart. Remember, the larger the nozzle, the heavier the pattern.

2. Start with gun air flow valve completely open. If needed, slowly close gun air flow until you get a good spray pattern.

3. Adjust air flow adjustment nut and air valve to achieve uniform, round spray pattern. It may be necessary to change spray nozzles to achieve the desired spray pattern.

- When adjusting flow nut, release trigger, then adjust.
- If adjusting while triggered, needle will turn but provide no adjustment.
- If nut will not turn, check to see if it is either set to maximum adjustment or there is material on threads. Clean threads as needed.
- Test spray pattern on cardboard. Hold gun 18 to 24 in. (45.7 to 60.9 cm) from surface. Using a circular motion, overlap each stroke.

To Get Less Material

Try one or a combination of these methods:

- Open air valve.
- Turn gun flow adjustment nut to decrease flow, counter-clockwise.
- Use smaller nozzle.

To Get More Material

Try any one or a combination of these methods:

- Close air valve.
- Turn gun flow adjustment nut to increase flow, clockwise.
- Use thinner material mixture.
- Use a larger nozzle.

For Continuous Spraying

Use trigger lock to hold trigger open and reduce fatigue.

Check Material Consistency Periodically

Check and thin material as needed to maintain proper consistency. The material may thicken as it sits and slow down production. Agitate periodically.
Cleanup

When you have finished spraying

1. Shut off compressor. Disconnect air line from gun.

2. Drain remaining material into a bucket until most of the texture material is out of hopper.

3. Fill hopper with clean water. Remove nozzle from gun and allow water to flow through and out of gun.

4. Flush until gun is clean.

5. Remove hopper from gun and finish cleaning all components. A soft brush may be used to help loosen any dried on material from surface.

6. Connect air line to gun. Turn on compressor. Open gun air valve, forcing air through tip to clear out any remaining material.

7. Disconnect compressor.

Be sure to keep air passages in needle clean and free of material.

To improve working condition for future use, after cleaning, apply a few drops of light oil to:

- air hose quick disconnect
- material hose connections
- flow adjustment on gun
# Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material will not flow from hopper</td>
<td>Material too thick.</td>
<td>Thin material</td>
</tr>
<tr>
<td></td>
<td>Not enough air</td>
<td>Open gun air valve more</td>
</tr>
<tr>
<td></td>
<td>Gun adjustment set too low</td>
<td>Increase trigger travel</td>
</tr>
<tr>
<td></td>
<td>Nozzle too small</td>
<td>Increase nozzle size</td>
</tr>
<tr>
<td></td>
<td>Gun is plugged</td>
<td>Clean gun</td>
</tr>
<tr>
<td></td>
<td>Not enough material in hopper.</td>
<td>Add material</td>
</tr>
<tr>
<td>Pattern too fine.</td>
<td>Material too thin</td>
<td>Thicken</td>
</tr>
<tr>
<td></td>
<td>Air pressure too high</td>
<td>Close gun air valve partially</td>
</tr>
<tr>
<td></td>
<td>Gun needle travel too low</td>
<td>Increase</td>
</tr>
<tr>
<td></td>
<td>Nozzle too small</td>
<td>Replace nozzle with larger size</td>
</tr>
<tr>
<td>Pattern too course.</td>
<td>Material too thick.</td>
<td>Thin material</td>
</tr>
<tr>
<td></td>
<td>Air pressure too low.</td>
<td>Open gun air valve more</td>
</tr>
<tr>
<td></td>
<td>Nozzle to large.</td>
<td>Replace nozzle with smaller size</td>
</tr>
<tr>
<td>Gun will not shut off</td>
<td>Worn nozzle or needle</td>
<td><strong>Relieve Pressure</strong>, page 3. Replace worn parts.</td>
</tr>
<tr>
<td></td>
<td>Nozzle not on all the way</td>
<td>Clean.</td>
</tr>
<tr>
<td>Fluid leaking out of either plug</td>
<td>Missing or damaged o-rings</td>
<td><strong>Relieve Pressure</strong>, page 3. Replace o-ring</td>
</tr>
<tr>
<td></td>
<td>Gun damaged</td>
<td>Replace gun</td>
</tr>
<tr>
<td>Needle adjustment won’t adjust</td>
<td>Dirty threads</td>
<td>Clean threads</td>
</tr>
<tr>
<td></td>
<td>Nozzle not on gun</td>
<td>Put nozzle on gun</td>
</tr>
<tr>
<td></td>
<td>Needle triggered</td>
<td>Adjust when trigger not pulled</td>
</tr>
<tr>
<td>Material leaking out around gun/hopper</td>
<td>Clamp not tight</td>
<td>Tighten</td>
</tr>
<tr>
<td>connection</td>
<td>Damaged gun/hopper</td>
<td>Check for damage. Replace.</td>
</tr>
<tr>
<td></td>
<td>Debris between gun/hopper</td>
<td>Remove hopper from gun. Clean. Replace hopper.</td>
</tr>
</tbody>
</table>
Parts

Ref
No. Part No. Description Qty.
1 277138 BODY, gun (series C) 1
2 234162 KIT, plugs, includes 2a, 2b and 2c 1
2a PLUG, hose port
2b PLUG, hopper port
2c O-RING
3 234159 KIT, needle repair, includes 3a, 3b, 3c, 3d, 3e, and 3f 1
3a NEEDLE includes o-ring
3b GUIDE, spring, includes o-ring
3c SPRING
3d NUT, flow adjustment
3e O-RING
3f O-RING
4 234153 KIT, nozzle, includes 4a, 4b, 4c, 4d 1
4a 234538 NOZZLE, fine, beige
4b 234277 NOZZLE, small, white
4c 234278 NOZZLE, medium, gray
4d 234279 NOZZLE, large, black
5 234225 KIT, hopper 1
6 234188 CLAMP 1
7 15F913 TRIGGER (series C) 1
8 15B168 TRIGGER LOCK 1
9 15B565 AIR VALVE 1
10 118717 PIN, clevis 1
11 107243 WASHER, nylon 2
12 115999 RING, retaining 1
13 287967 CLIP, plug, gun 1

Trigger and Gun Body Kit 249640 must be ordered to replace series A or series B Trigger or Gun Body.

Technical Data

<table>
<thead>
<tr>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Consumption</td>
<td>3.5-11 cfm at 15 to 100 psi</td>
</tr>
<tr>
<td>Weight</td>
<td>35 oz (1600 g)</td>
</tr>
</tbody>
</table>
Graco Standard Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale 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.

GRACO MAKES NO WARRANTY, AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN CONNECTION WITH ACCESSORIES, EQUIPMENT, MATERIALS OR COMPONENTS SOLD BUT NOT MANUFACTURED BY GRACO. These items sold, but not manufactured by Graco (such as electric motors, switches, hose, etc.), are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

In no event will Graco be liable for indirect, incidental, special or consequential damages resulting from Graco supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of Graco, or otherwise.

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

TO PLACE AN ORDER OR FOR SERVICE, contact your Graco distributor, or call 1-800-690-2894 to identify the nearest distributor.

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

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