

## Texture Gun & Hopper

309584H

**- 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.

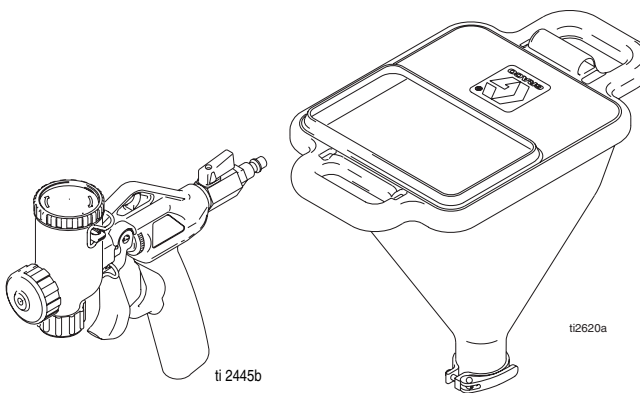
### Related Manuals



309585



309586










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PROVEN QUALITY. LEADING TECHNOLOGY.

<b>WARNINGS</b>	
 	<p><b>Equipment Misuse Hazard</b>            Equipment misuse can cause equipment to rupture, malfunction, or start unexpectedly and cause serious injury.</p> <ul style="list-style-type: none"> <li>• Before operating this equipment, read all manuals, tags, and labels including material labels and instructions.</li> <li>• Do not expose system to rain. Always store system indoors.</li> <li>• Do not alter or modify equipment.</li> <li>• Do not spray cementitious materials.</li> <li>• Do not exceed maximum working pressure of lowest rated component in your system.</li> <li>• Check equipment daily. Repair or replace worn or damaged parts immediately.</li> <li>• To reduce risk of serious injury, including electric shock and splashing fluid in eyes, follow <b>Pressure Relief Procedure, page 3</b> before servicing the unit.</li> <li>• Do not use hoses to pull equipment.</li> <li>• 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).</li> <li>• Store hazardous fluid in an approved container. Dispose of hazardous fluid according to all local, state and national guidelines.</li> <li>• Never directly inhale compressed air. Compressed air may contain toxic vapors.</li> </ul>
	<p><b>Electric Shock Hazard</b>            To reduce the risk of electric shock:</p> <ul style="list-style-type: none"> <li>• Be sure sprayer is adequately grounded through electrical outlet.</li> <li>• Use only 3-wire, extension cords.</li> <li>• Make sure ground prongs are intact on sprayer and extension cords.</li> <li>• Do not operate with cover removed.</li> <li>• Turn off sprayer. Follow <b>Pressure Relief Procedure, page 3</b>, and unplug unit, before removing any parts.</li> <li>•</li> </ul>

<b>WARNINGS</b>	
 	<p><b>Pressurized Equipment Hazard</b>            Fluid from gun, leaks or ruptured components can splash in the eyes or on skin and cause serious injury.</p> <ul style="list-style-type: none"> <li>• Follow <b>Pressure Relief Procedure, page 3</b> when you stop spraying and before cleaning, checking or servicing.</li> <li>• 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.</li> <li>• Wear protective clothing, gloves, and eyewear.</li> </ul>
	<p><b>Cleaning Solvent Hazard with Plastic Parts</b>            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.</p>
	<p><b>Sprayer Warnings</b>            For sprayer operation and warning information refer to your sprayer or compressor operation manual.</p>



**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:

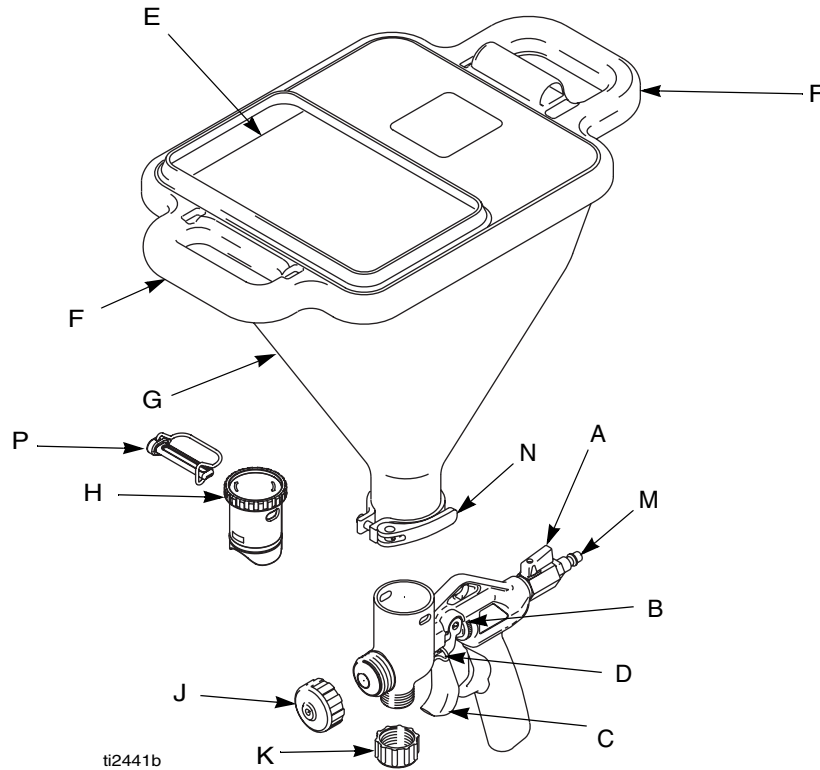
1. Shut OFF air source.
2. Disconnect power source.
3. Turn gun air valve ON.



**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



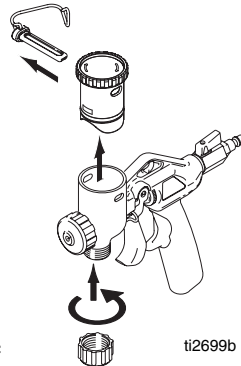
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Identifier	Component	Description
A	Air Valve	Adjusts air to material mix ratio.
B	Flow Adjustment Nut	Sets needle position.
C	Trigger	Engages material flow.
D	Trigger Lock	Holds trigger open to assist operator during long jobs.
E	Material Fill Opening	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.
F	Handles	Provided for operator comfort and relieve operator fatigue during long jobs.
G	Hopper	Holds material.
H	Gun Plug	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.
J	Nozzle	Different sizes available for use with different applications, See Nozzle Selection chart, page 7.
K	Hose Plug	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.
M	Air Fitting	Quick Disconnect used to attach air hose to gun.
N	Clamp	Secures hopper on gun.
P	Gun Plug Clip	Secures gun plug to gun.

# Basic Operation

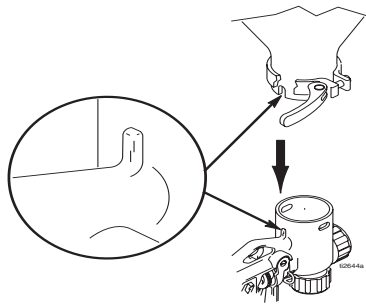
## Hopper Installation


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.



 It is easier to remove plug if

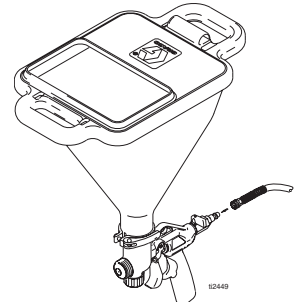
2. Align notched opening in base of hopper to raised notch on hopper port of gun body.



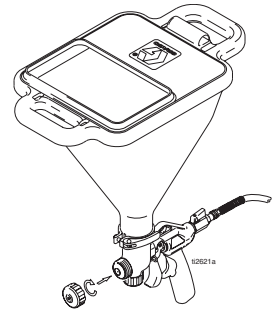
 For overhead applications and high walls, position the hopper on the gun with the material fill opening facing toward the nozzle (front) of the gun. For all other applications, material fill opening should face the air valve (back) of the gun.

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

4. Fasten clamp.
5. Connect air hose to gun.



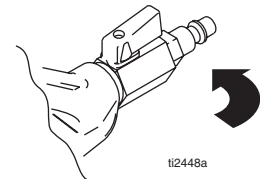
6. Install spray nozzle, page 7.



7. Fill hopper with texture mix.




8. Open air valve.




9. Turn compressor ON. Close air valve. Adjust air pressure starting at 30-40 psi.

# 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

Application	Nozzle Size <sup>2</sup>	Air Volume <sup>1</sup>
Simulated Acoustic	6 mm, white <i>(fine to medium)</i> 8 mm, gray <i>(coarse)</i>	medium to high
Orange peel	4 mm, beige 6 mm, white	medium to high
Splatter coat	6 mm, white 8 mm, gray	low to medium
Knockdown	8 mm, gray 12 mm, black	low

<sup>1</sup>Control air volume with gun air valve.

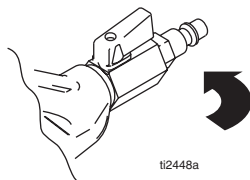
<sup>2</sup>For more material volume try a larger nozzle.

## Adjusting the System

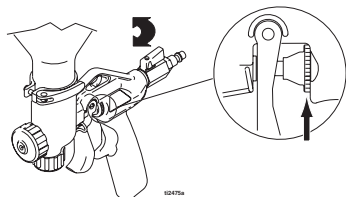
Sufficient fluid output (volume and pressure) and good atomization is a balance of atomizing air, material thickness/material flow and nozzle selection. Achieving the correct balance for your application requires experimentation to achieve desired results. Keep in mind these important points when adjusting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

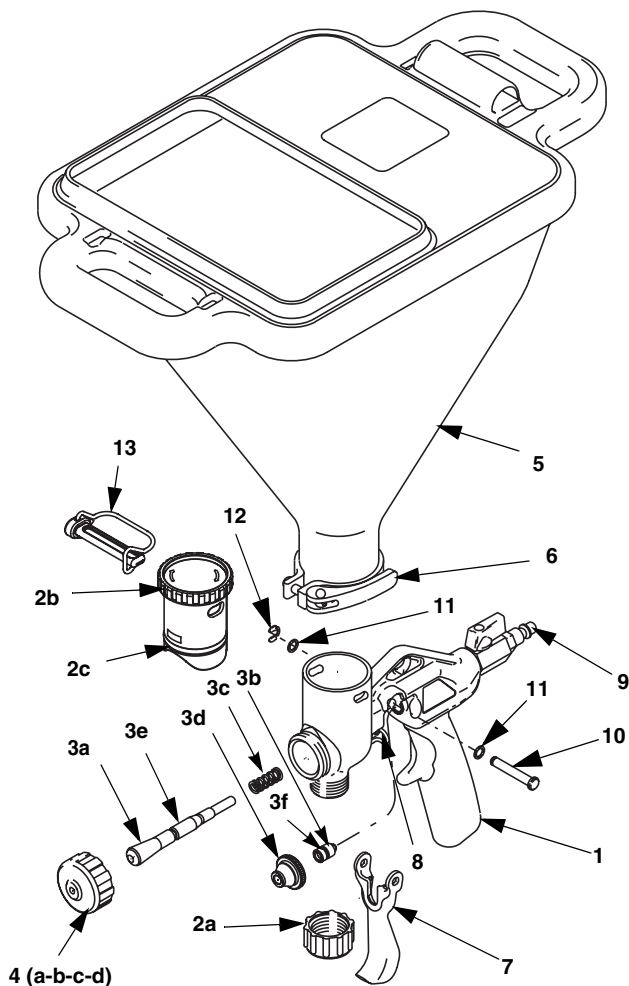
- air hose quick disconnect
- material hose connections
- flow adjustment on gun



# Troubleshooting

Problem	Cause	Solution
Material will not flow from hopper	<ul style="list-style-type: none"> <li>• Material too thick.</li> <li>• Not enough air</li> <li>• Gun adjustment set too low</li> <li>• Nozzle too small</li> <li>• Gun is plugged</li> <li>• Not enough material in hopper.</li> </ul>	<ul style="list-style-type: none"> <li>• Thin material</li> <li>• Open gun air valve more</li> <li>• Increase trigger travel</li> <li>• Increase nozzle size</li> <li>• Clean gun</li> <li>• Add material</li> </ul>
Pattern too fine.	<ul style="list-style-type: none"> <li>• Material too thin</li> <li>• Air pressure too high</li> <li>• Gun needle travel too low</li> <li>• Nozzle too small.</li> </ul>	<ul style="list-style-type: none"> <li>• Thicken</li> <li>• Close gun air valve partially</li> <li>• Increase</li> <li>• Replace nozzle with larger size</li> </ul>
Pattern too course.	<ul style="list-style-type: none"> <li>• Material too thick.</li> <li>• Air pressure too low.</li> <li>• Nozzle to large.</li> </ul>	<ul style="list-style-type: none"> <li>• Thin material</li> <li>• Open gun air valve more</li> <li>• Replace nozzle with smaller size</li> </ul>
Gun will not shut off	<ul style="list-style-type: none"> <li>• Worn nozzle or needle</li> <li>• Nozzle not on all the way</li> <li>• Debris in needle passage</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Relieve Pressure</b>, page 3. Replace worn parts.</li> <li>• Tighten completely.</li> <li>• <b>Relieve Pressure</b>, page 3. Clean.</li> </ul>
Fluid leaking at Flow Adjustment Nut	Damaged seal.	<b>Relieve Pressure</b> , page 3. Replace seal.
Fluid leaking out of either plug	<ul style="list-style-type: none"> <li>• Missing or damaged o-rings</li> <li>• Gun damaged</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Relieve Pressure</b>, page 3. Replace o-ring</li> <li>• Replace gun</li> </ul>
Needle adjustment won't adjust	<ul style="list-style-type: none"> <li>• Dirty threads</li> <li>• Nozzle not on gun</li> <li>• Needle triggered</li> </ul>	<ul style="list-style-type: none"> <li>• Clean threads</li> <li>• Put nozzle on gun</li> <li>• Adjust when trigger not pulled</li> </ul>
Material leaking out around gun/hopper connection	<ul style="list-style-type: none"> <li>• Clamp not tight</li> <li>• Damaged gun/hopper</li> <li>• Debris between gun/hopper</li> </ul>	<ul style="list-style-type: none"> <li>• Tighten</li> <li>• Check for damage. Replace.</li> <li>• Remove hopper from gun. Clean. Replace hopper.</li> </ul>

# 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

Air Consumption	3.5-11 cfm at 15 to 100 psi
Weight	35 oz (1600 g)



## 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.

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

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**International Offices:** Belgium, Korea, China, Japan

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