

RTX 1500 Electric Texture Sprayer

310624A

- For Water-Based Materials Only -

(Consult your Material Supplier for Warnings and Application Requirements)

Models: Page 3

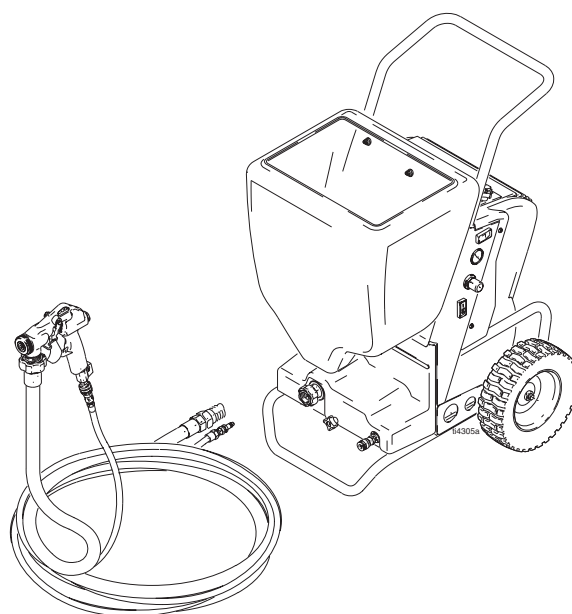
Maximum Working Air Pressure (Standard delivery): 45 psi (3.1 bar)

Maximum Working Fluid Pressure: 100 psi (6.9 bar)



Read all warnings and instructions.

CAUTION
Use RTX 1500 non-bleeder texture gun (model 248091) only. All other texture guns will damage sprayer.




PROVEN QUALITY. LEADING TECHNOLOGY.

Notes




A series of horizontal lines for writing notes, alternating between black and purple lines.

Models

Model	Electric Requirements	Country	Manual			Languages
			 Operation	287328*	 Gun	
248201	120V, 60 Hz, 15 A	N. America	310624	310694	310616	English
248536	110V, 60 Hz, 15A	United Kingdom	310624	310694	310616	English
248370 / 248315	230V. 50 Hz, 10 A	Europe	310624		310616	French
248370	230V. 50 Hz, 10 A	Europe	310624			Dutch
248370	230V. 50 Hz, 10 A	Europe	310625		310616	Spanish
248370 / 248315	230V. 50 Hz, 10 A	Europe	310625			Italian
248370	230V. 50 Hz, 10 A	Europe	310625			Portuguese
248370 / 248315	230V. 50 Hz, 10 A	Europe	310625			German
248315	230V. 50 Hz, 10 A	Europe	310697			Swiss
248315	230V. 50 Hz, 10 A	Europe	310697			Danish
248370	230V. 50 Hz, 10 A	Europe	310697			Norwegian
248370	230V. 50 Hz, 10 A	Europe	310697			Swedish
248370	230V. 50 Hz, 10 A	Europe	310698			Polish
248370	230V. 50 Hz, 10 A	Europe	310698			Russian
248370	230V. 50 Hz, 10 A	Europe	310698			Greek
248315	230V. 50 Hz, 10 A	Asia	310699			Chinese
248315	230V. 50 Hz, 10 A	Asia	310699			Japanese
248315	230V. 50 Hz, 10 A	Asia	310699			Korean
248315	230V. 50 Hz, 10 A	Australia	310699	310694	310616	English


*Auxiliary Air Hookup Kit

RELATED MANUALS

Model	Country		Manual	Languages
ALL	ALL		310645	English





The following are general Warnings related to the safe setup, use, maintenance and repair of this equipment. Additional, more specific warnings may be found throughout the text of this manual where applicable.





Warning

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

Caution

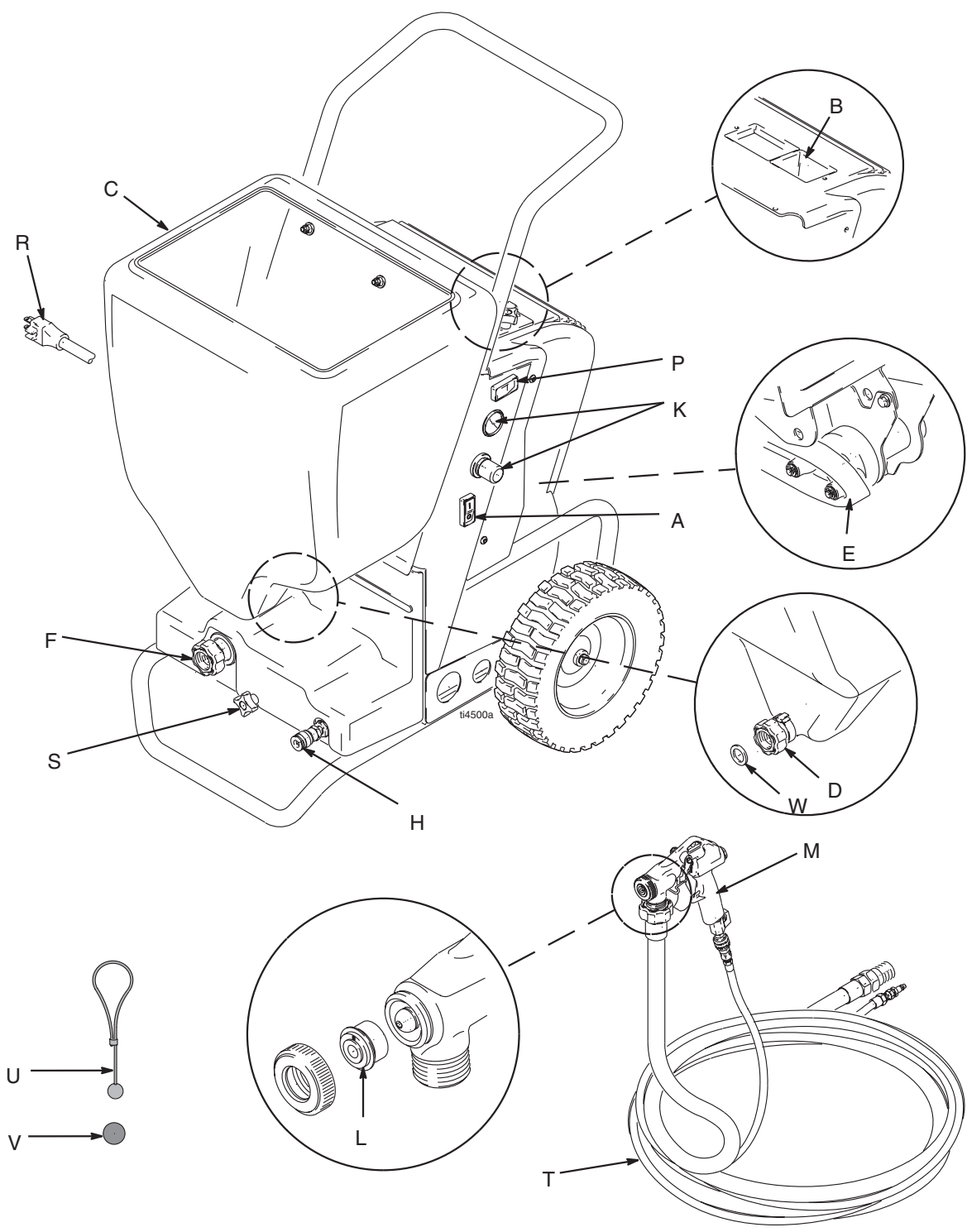
CAUTION
Alerts you to the possibility of damage or destruction of equipment if you do not follow the instructions.

	WARNINGS
	<p>Fire and Explosion Hazard Flammable fumes, such as solvent and paint fumes, in work area can ignite or explode. To help prevent fire and explosion:</p> <ul style="list-style-type: none"> • Use equipment only in well ventilated area. • Keep work area free of debris, including solvent, rags, and gasoline. • Ground equipment in the work area. See Grounding instructions. • If there is static sparking or you feel a shock, stop operation immediately. Do not use equipment until you identify and correct the problem.
	<p>Equipment Misuse Hazard Equipment misuse can cause death or serious injury.</p> <ul style="list-style-type: none"> • Do not exceed maximum working pressure or temperature rating of lowest rated system component. See Technical Data, in all equipment manuals. • Use fluids and solvents that are compatible with equipment wetted parts. See Technical Data in all equipment manuals. Read fluid and solvent manufacturer's warnings. • Check equipment daily. Repair or replace worn or damaged parts immediately. • Do not alter or modify this equipment. • Use the equipment only for its intended purpose. Call your Graco distributor for information. • For professional use only. • Route hoses away from traffic areas, sharp edges, moving parts and hot surfaces. • Do not use hoses to pull equipment. • Comply with all applicable safety regulations.
	<p>Electric Shock Hazard Improper grounding, setup, or usage of the system can cause electric shock.</p> <ul style="list-style-type: none"> • Turn off and disconnect power cord before servicing equipment. • Use only grounded electrical outlets. • Use only 3-wire extension cords. • Ensure ground prongs are intact on sprayer and extension cords.

 WARNINGS	
	<p>Pressurized Equipment Hazard Compressed air can inject in skin. Air tubing rupture can cause injury if disconnected while under pressure. To reduce risk of injury:</p> <ul style="list-style-type: none"> • Never exceed maximum working pressure of any attachment. • Do not direct airstream at body. • Follow Pressure Relief Procedure, page 10 whenever you are instructed to relieve pressure, stop spraying, service equipment, install or clean spray nozzle or disconnect or connect hose.
	<p>Cleaning Solvent Hazard with Plastic Parts 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 31 of this instruction manual and in all other equipment manuals. Read fluid and solvent manufacturer's warnings.</p>
	<p>Personal Protective Equipment Wear appropriate protective equipment when operating, servicing or when in the operating area of this equipment to help protect yourself from serious injury, including eye injury, inhalation of toxic fumes, burns and hearing loss. This equipment includes, but is not limited to:</p> <ul style="list-style-type: none"> • protective eye wear • clothing and respirator as recommended by fluid and solvent manufacturer • hearing protection • gloves

CAUTION	
<p>Water or material remaining in unit when temperatures are below freezing can damage pump and/or delay startup.</p> <p>To insure water and material are completely drained out of unit:</p> <ul style="list-style-type: none"> • remove hose from material outlet, • tip sprayer forward 45° to allow material (water) to flow out of pump inlet. <p>Before adding material or starting unit in cold weather, circulate warm water through pump.</p>	

Component Identification



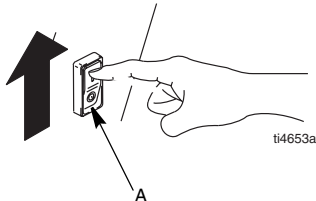
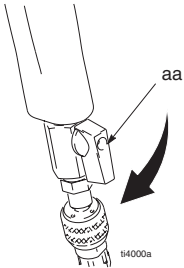
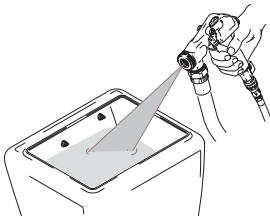
Component Identification

	English	Français	Dutch	
A	Main Power Switch			
B	Nozzle Storage			
C	Hopper			
D	Hopper Connect/Disconnect			
E	Graco RotoFlex™ HD Pump			
F	Material Outlet			
H	Air Outlet			
K	Fluid Flow Regulator and Pressure Gauge			
L	Gun Nozzle (5 sizes)			
M	Gun (see manual 310616)*			
P	Prime Switch			
R	Power Cord			
S	Pump Access Screw			
T	Hose - 25-ft.			
U	Material Thickness Gauge			
V	Cleaning Ball			
W	Spare Hose Gaskets			

System Priming

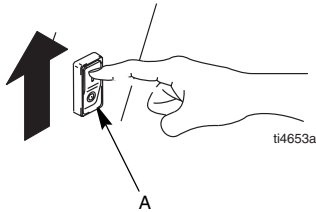
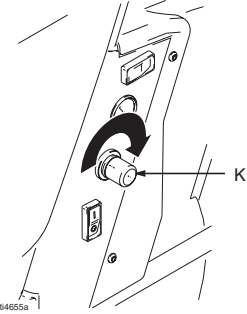
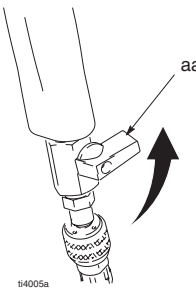
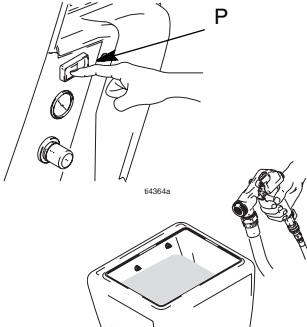
English	Français	Dutch	
FUNCTION <p>The RTX 1500 Electric Texture Sprayer is equipped with an automatic material pressure and flow device. When the operator releases the gun trigger, the pump pressure and flow, stops. When the operator squeezes the gun trigger, pump pressure and flow starts. Triggering system will deliver a 'Soft Start' of material flow.</p> <p>How this works. The system recognizes atomization air flow at the gun by means of an air flow sensor located inside unit.</p>			

Preferred Method:

  			
1 Turn sprayer main power (A) ON.	2 Open gun air valve (aa) slightly, allowing a small amount of air to flow with material through gun. This automatically delivers material pressure and flow.	3 Aim gun (M) into hopper (C) and squeeze gun trigger.	
1	2	3	
1	2	3	

Alternate Method - Using Prime Switch (P):

(If air flow with material through gun is not desired)

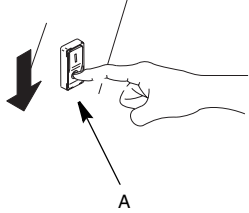
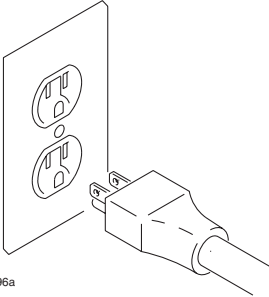
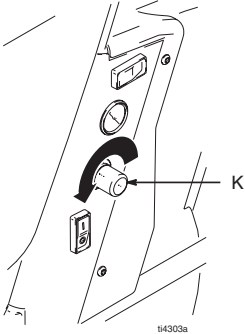
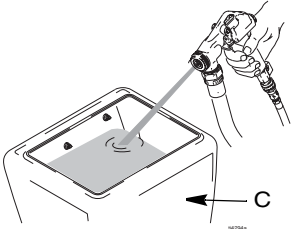
			
1 Turn sprayer main power (A) ON.	2 Turn fluid flow regulator (K) up as necessary	3 Close gun air valve (aa).	4 Depress and hold prime switch (P) to start and stop flow. Aim gun into hopper (C) and squeeze gun trigger.
1	2	3	
1	2	3	

CAUTION

English	Français	Dutch	
Excessive or prolonged use of Prime Switch (P) can cause material to back up into gun air passages, causing blockage and/or gun air valve failure.			

Preparation

Pressure Relief Procedure

 ti4292a	 ti4296a	 ti4303a	 ti4294a
1 Turn sprayer main power (A) OFF.	2 Unplug sprayer.	3 Turn fluid flow regulator (K) all the way down.	4 Aim gun into hopper (C) or bucket and squeeze gun trigger until all air and material pressure is relieved.
1	2	3	
1	2	3	

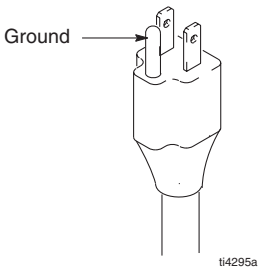
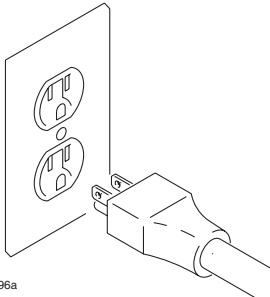
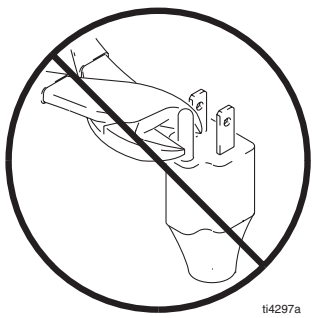
Grounding

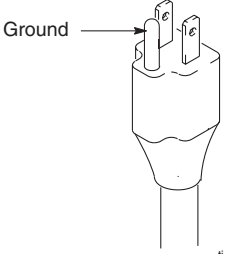
The sprayer must be grounded. Grounding reduces the risk of electrical shock by providing an escape wire for the electrical current.

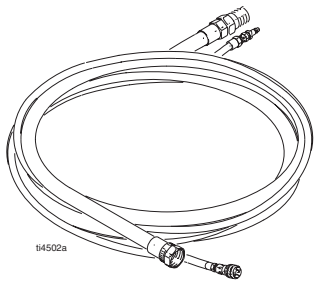
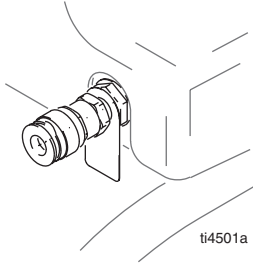

WARNING



Read warnings, page 4.

			<p>Electric Requirements, Page 3</p>
<ul style="list-style-type: none"> The sprayer cord includes a grounding wire with an appropriate grounding prong. 	<ul style="list-style-type: none"> The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances. 	<ul style="list-style-type: none"> Do not modify plug! If it will not fit in outlet, have grounded outlet installed by a qualified electrician. 	<ul style="list-style-type: none"> Sprayer electric requirements are provided on page 3.

 <p>ti4295a</p>			
Extension Cords <ul style="list-style-type: none"> Use only an extension cord with an undamaged 3-prong plug. 	<ul style="list-style-type: none"> For best results use the hard-wired, 25 ft power cord only. If extension cord is necessary, use a 3-wire, 12 AWG (2.5 mm²) minimum. 	Auxiliary Air Compressor <ul style="list-style-type: none"> Use Auxiliary Air Hookup Kit 287328 when additional atomization air is necessary. 	CAUTION Attaching auxiliary air to sprayer without using the Auxiliary Air Hookup Kit 287328 will damage sprayer. See manual 310694.
Extension Cords		Auxiliary Air Compressor	CAUTION
Extension Cords		Auxiliary Air Compressor	CAUTION

			
Generators	Hose Lengths		CAUTION
<ul style="list-style-type: none"> 7500 W (7.5 KW) minimum 	<ul style="list-style-type: none"> The system comes with a twin line hose set consisting of a 1 in. ID x 25 ft (25 mm x 7.6 m) material hose and a 3/8 in- ID air hose. If longer hose lengths are desired, connect additional hose sections together to a maximum of 100 ft. 	<ul style="list-style-type: none"> The type of material you are spraying will determine the maximum length of hose you can use. If you are not achieving a satisfactory spray pattern or coverage, try using a shorter length of hose. 	Air hose fittings on sprayer can get hot! Allow sprayer to cool down 5 minutes before removing air hose.
Generators	Hose Lengths		CAUTION
<ul style="list-style-type: none"> 7500 W (7.5 KW) minimum 			
Generators	Hose Lengths		CAUTION
<ul style="list-style-type: none"> 7500 W (7.5 KW) minimum 			

Setup

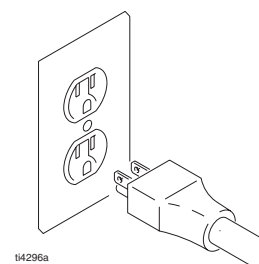
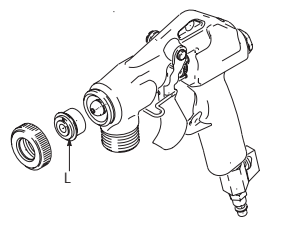
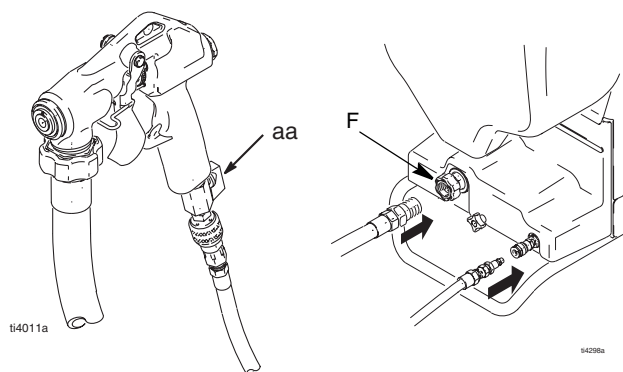
IMPORTANT

English	Français	Dutch	
<ul style="list-style-type: none"> Do not allow material to dry inside pump, hoses, gun or spray system. 			

⚠ WARNING

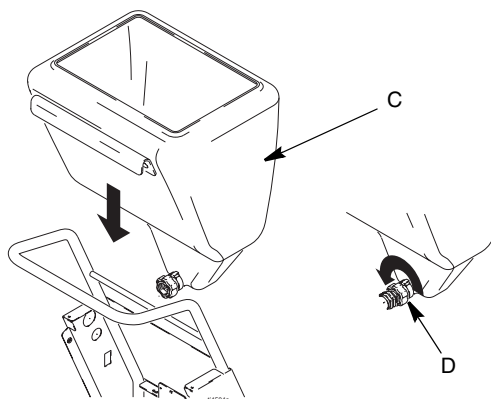
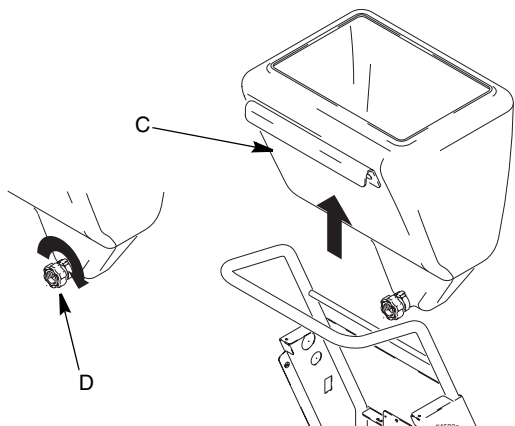
   

Read warnings, page 4.



1 Connect one end of air hose to sprayer air outlet quick connect and to gun air inlet quick connect.	2 Connect one end of material hose to material outlet (F) and the other end to gun material inlet. Firmly tighten connections.	3 Install spray nozzle (L). See selection chart, page 22. Pulling trigger when installing nozzles, eases assembly.	4 Plug power cord in to properly grounded outlet.

Removing and Installing Hopper



Removing Hopper (C)

- | | |
|---|---|
| 1 To remove hopper (C), loosen fitting (D). Fittings are hand-tightened and should not require tools to loosen. | 2 Lift hopper (C) straight up, off of unit. |
|---|---|

Installing Hopper (C)

- | | |
|--|-----------------------------|
| 1 Position hopper drain over fitting as far as it will go, making sure identification label faces out. | 2 Hand tighten fitting (D). |
|--|-----------------------------|

Removing Hopper (C)

- | | |
|---|---|
| 1 | 2 |
|---|---|

Installing Hopper (C)

- | | |
|---|---|
| 1 | 2 |
|---|---|

Removing Hopper (C)

- | | |
|---|---|
| 1 | 2 |
|---|---|

Installing Hopper (C)

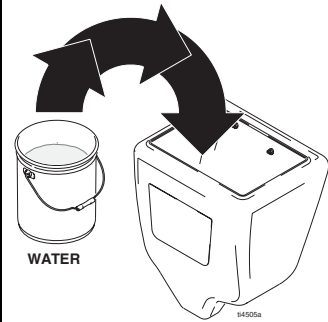
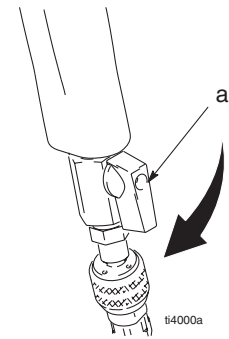
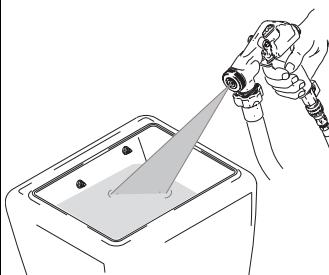
- | | |
|---|---|
| 1 | 2 |
|---|---|

Wetting Hose

**WARNING**



Read warnings, page 4.

			
Wet inside of hose before each use to flush out sediment and prevent texture material from packing out hose.	1 Pour one (1) gallon (3.8 liters) of clean water into hopper.	2 Open gun air valve (aa). Follow System Priming, page 8.	3 Turn sprayer ON (A). Aim gun (M) into hopper (C) and trigger gun to circulate water for a few minutes to wet inside of material hose.
	1	2	3
	1	2	3



WASTE

- 4 Trigger gun into waste pail until
hopper no longer contains
water and all water is removed
from hose and pump system.

4



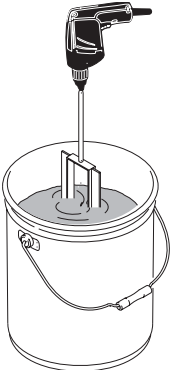
4

Mixing Material

**WARNING**



Read warnings, page 4.

		 ti3906a	 ti3907a
NOTE: For optimal performance, thin material as described in steps 3-5. • If thicker materials are desired, test pumping performance first. Then spray a test pattern.	• Use water-based materials only.	1 Mix material in a separate container. For best results do not use partial bags.	2 Agitate to a smooth, lump-free consistency.

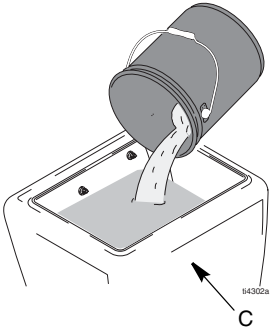
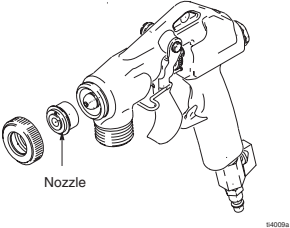
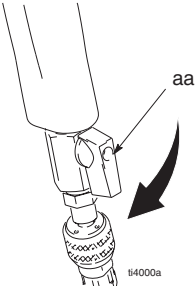
3 To achieve a consistent density between batches, after texture material is thoroughly mixed, gently set ball end of Material Thickness Gauge on surface of mixture.	NOTE: For an accurate test, be sure gauge is completely dry and clean every time it is used.	

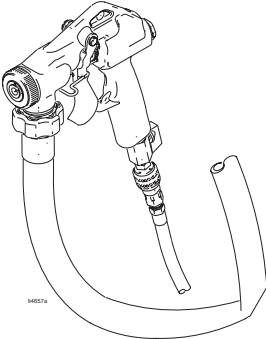

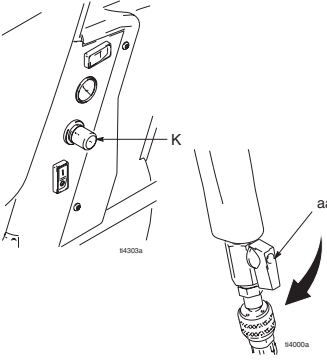
Startup

**WARNING**



Read warnings, page 4.

			
1 Fill hopper (C) with prepared texture material.	2 Install nozzle. See Nozzle Selection Chart, page page 22.	3 Open gun air valve (aa).	<div>CAUTION</div> <p>To avoid material packout in needle, do not allow material to flow out of gun when air valve (aa) is closed for a sustained amount of time.</p> <p>If material gets in needle or gun air passages, flush with water immediately.</p>
			<div>CAUTION</div>
			<div>CAUTION</div>

	 <p>WASTE</p>		
<p>4 Inspect 25 ft. material hose for kinks which could restrict fluid flow.</p> <p>5 Follow System Priming, page 8.</p>	<p>6 Trigger gun into a pail. When texture material appears at nozzle, move gun to hopper and circulate until there is a solid stream of texture material.</p>	<p>7 For proper spray pattern and pump and gun adjustments, see System Adjustment, page 23,</p>	<p>8 Adjust fluid flow (K) and/or gun air valve (aa) to achieve desired results.</p>

Spray Techniques

Nozzle Selection

English			Francois		
Application	Nozzle No. ²	Air Volume ¹	Application	Nozzle No. ²	Air Volume ¹
Fog	3-4 mm	high		3-4 mm	
Simulated Acoustic	4 mm	medium to high		4 mm	
	6 mm			6 mm	
	8-10 mm			8-10 mm	
Orange Peel	3-4 mm 4-8 mm	medium to high		3-4 mm 4-8 mm	
Splatter Coat	6-8 mm 6-10 mm	low - medium		6-8 mm 6-10 mm	
Knock-down	8-12 mm	low		8-12 mm	
Textured Elastomers	8-12 mm	high**		8-12 mm	
Plastics	8-10 mm	high**		8-10 mm	
EIFS	8-12 mm	high**		8-12 mm	
Stucco	10-12 mm	high**		10-12 mm	

Dutch					
Application	Nozzle No. ²	Air Volume ¹			
	3-4 mm				
	4 mm				
	6 mm				
	8-10 mm				
	3-4 mm 4-8 mm				
	6-8 mm 6-10 mm				
	8-12 mm				
	8-12 mm				
	8-10 mm				
	8-12 mm				
	10-12 mm				

¹ Control air volume with gun air flow valve (31).

²For more material volume, try a larger-orifice tip.



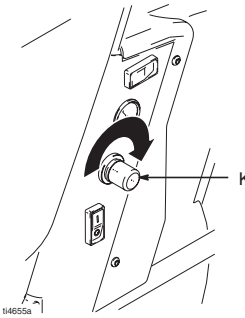
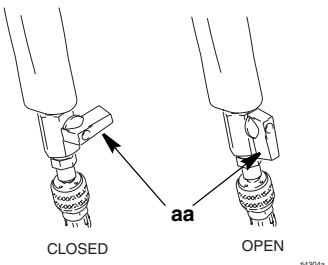
Some materials may require the addition of external air to improve production rate. Use External Air Hookup Kit 287328.

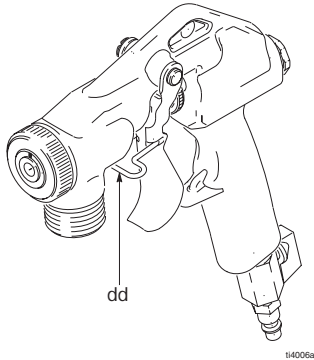
System Adjustment

WARNING

Read warnings, page 4.

<p>Fluid flow is controlled with the fluid flow regulator knob (K) and displayed on the gauge.</p> <p>Gun air flow is regulated using air valve (aa) located on gun handle.</p>	<p>1 Open air valve (aa).</p>	<p>2 Test spray pattern on cardboard. Hold gun 18 to 30 in. (457 to 762 mm) from surface. Use this spray distance for most applications. Overlap each stroke 50% in a circular motion.</p>	<p>3 Adjust air valve (aa) and/or fluid flow regulator (K) on sprayer to achieve desired spray pattern.</p>
1	2	3	
1	2	3	

			
		Material Flow Adjustment	Air Flow Adjustment
4 To select correct nozzle for your applications, consider size of aggregate in material and coarseness of spray pattern. Remember the larger the nozzle, the larger the pattern. See Nozzle Selection , page 22.	Check material consistency often. Material may thicken as it sits and slow down production or affect spray pattern. Thin with water as needed to maintain proper consistency.	Material flow should be adjusted on the sprayer using the Fluid Flow Regulator knob (K).	<ul style="list-style-type: none"> To decrease air flow, move air valve (aa) toward the closed position. To increase air flow, move air flow valve (aa) toward the open position.
		Material Flow Adjustment	Air Flow Adjustment
4			
		Material Flow Adjustment	Air Flow Adjustment
4			

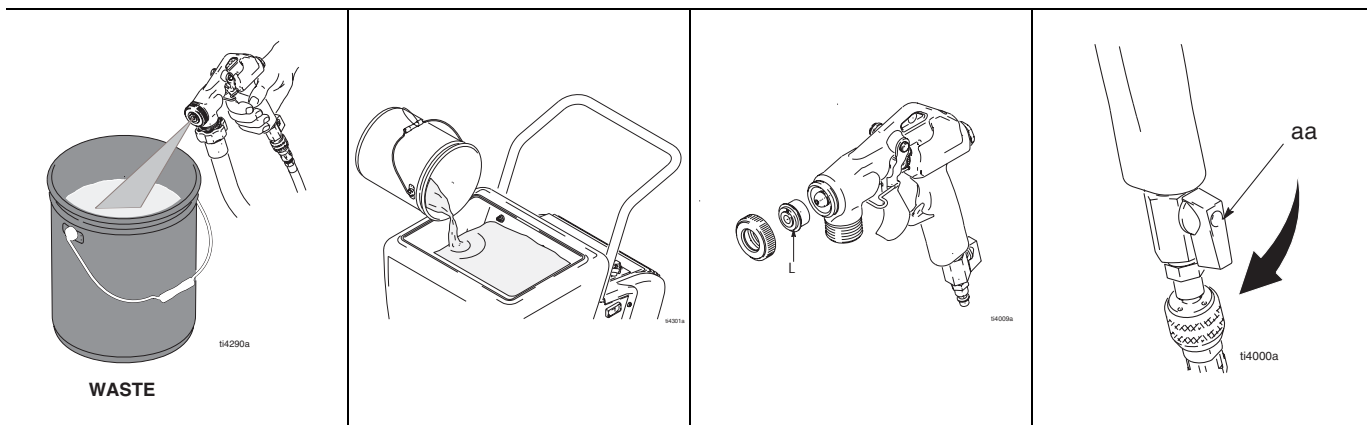
		
Preventing Material Surge at Gun Trigger <ul style="list-style-type: none"> • Allow system to release pressure before triggering gun. • When you stop spraying, always depress trigger fully to allow system to build pressure. 	For Continuous Spraying <ul style="list-style-type: none"> • Engage trigger lock (dd) to hold trigger open and reduce fatigue. 	
Preventing Material Surge at Gun Trigger	For Continuous Spraying	
Preventing Material Surge at Gun Trigger	For Continuous Spraying	

Shutdown and Cleanup

CAUTION			
English	Français	Dutch	
<ul style="list-style-type: none"> • Before removing material hose relieve pressure following procedure on page 10 and remove material from hose. • To keep sprayer in good operating condition, always clean it thoroughly and prepare it properly for storage. • If water freezes in sprayer, damage may occur. In cold weather store sprayer where it will not freeze. • Tilt sprayer forward 45° to allow material (water) to flow out of pump inlet. • The air hose fitting on sprayer can get hot! Allow sprayer to cool down 5 minutes before removing air hose. 			

WARNING

Read warnings, page 4.



When you have finished spraying:

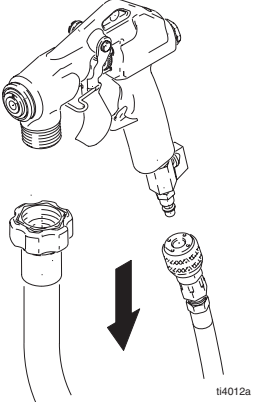
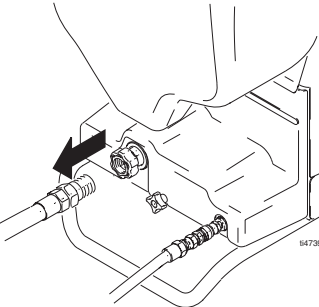
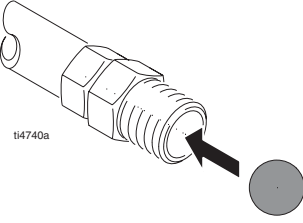
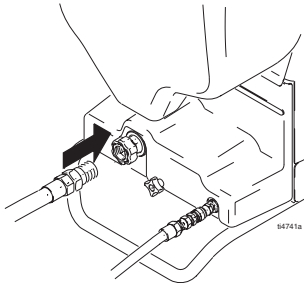
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|---|---------------------------------|--|--|
| 1 Drain remaining material into bucket until most of texture material is out of hopper. | 2 Fill hopper with clean water. | 3 Remove nozzle (L) from gun and allow water to flow through and out of gun. Flush until gun is clean. | 4 Open gun air valve (aa), forcing air through nozzle to clear out any remaining material. |
|---|---------------------------------|--|--|

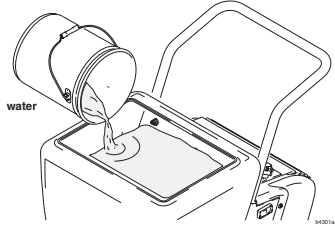
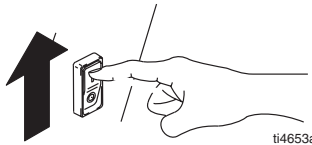

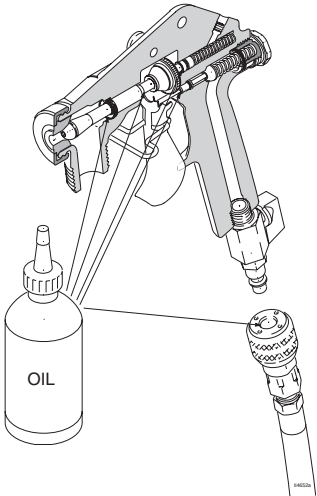
When you have finished spraying:

- | | | | |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
|---|---|---|---|

When you have finished spraying:

- | | | | |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
|---|---|---|---|

			
			
			
			
5 Disconnect air line and material hose from gun.	6 Disconnect material hose from sprayer.	7 Insert sponge ball in material hose.	8 Reconnect material hose to sprayer.

			
<p>9 Pour a couple gallons of clean water to hopper.</p>	<p>11 Turn sprayer main power (A) ON.</p>	<p>14 Finish cleaning all components. A soft brush may be used to help loosen any dried on material from surface.</p>	<p>To improve working condition for future use, after cleaning apply a few drops of light oil to:</p>
<p>10 Place end of material hose in waste bucket.</p>	<p>12 Circulate water through sprayer until ball comes out of hose.</p>	<p>Be sure to keep air passages in needle clean and free of material.</p>	<ul style="list-style-type: none"> • air hose quick connect • material hose connections • air shutoff needle (model 248091) • material needle
<p>13 Retrieve and clean ball with clear water.</p>		<p>Clean inside gun.</p>	

Maintenance

English			Français		
Component	Task	Frequency	Component	Task	Frequency
Hoses	Check for wear and/or damage	Daily			
	Drain system of all water	After each use			
Air and Material Hose Connections	Add a few drops of light oil	After each days use			
RotoFlex HD Pump	Flush	Daily			
	Thread Connections - Inspect for wear				
		Replace pump hose upon failure			
Gun	Clean	After each use			
	Add a few drops of light oil to needle under trigger	After each use			

Dutch					
Component	Task	Frequency			

Technical Data

Maximum working fluid pressure	100 psi (6.9 bar)
Maximum working air pressure	45 psi (3.1 bar)
Material pressure operating range	0-100 psi (0 to 6.9 bar)
Motor/Compressor specifications	Oilless compressor
Air delivery	6.5 CFM @ 40 psi (184.1 lpm @ 2.758 bar)
Capacitor start	120V, 60 Hz 15.0 amp AC
Power cord	14 AWG, 3-wire, 25 ft.
Hopper capacity	15 US gallons (57 liters)
Maximum deliver with texture material	2.0 gpm (7.57 lpm)
Dimensions	
Length	27 in. (685.8 mm) with handles
Width	26 in. (660.4 mm)
Height	40 in. (1016 mm)
Weight	
With hoses or gun	147 lb (66.68 kg)
Without hoses and gun	131 lb (59.47 kg)
Wetted parts	PVC, Buna-N, anodized aluminum, powder coat aluminum, brass, polyethylene, SST, UHMW
Sound data	
Sound pressure level*	85.8 db(A)
Sound power level#	100.1 db(A)
Generator (minimum size requirement)	7500 W (7.5 kw)
Maximum external working air pressure (must use External Air Hookup Kit 287328 ONLY)	120 psi (8.3 bar)

*Measured while spraying at 1 m.

#Measured per ISO-3744

Notes



A series of horizontal lines for writing notes, spanning the width of the page.

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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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, contact your Graco distributor, or call **1-800-690-2894** to identify the nearest distributor.

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