

GMAX[™] II 3900, 5900, 5900HD, 5900 Convertible, 7900 Airless Sprayers

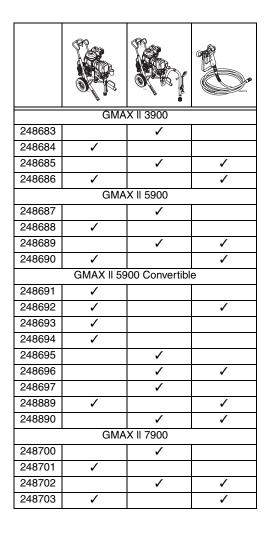
310892 rev.B

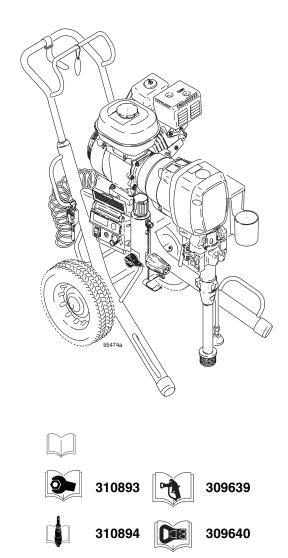
- For Portable Airless Spraying of Architectural Coatings and Paints -

3300 psi (22.8 MPa, 228 bar) Maximum Working Pressure



Read warnings and instructions





PROVEN QUALITY. LEADING TECHNOLOGY.

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Manual Conventions

WARNING



-Hazard Symbol

WARNING: a potentially hazardous situation which, if not avoided, could result in death or serious injury.

Warnings in the instructions usually include a symbol indicating the hazard. Read the general **Warnings** section for additional safety information.

CAUTION

CAUTION: a potentially hazardous situation which, if not avoided, may result in property damage or destruction of equipment.

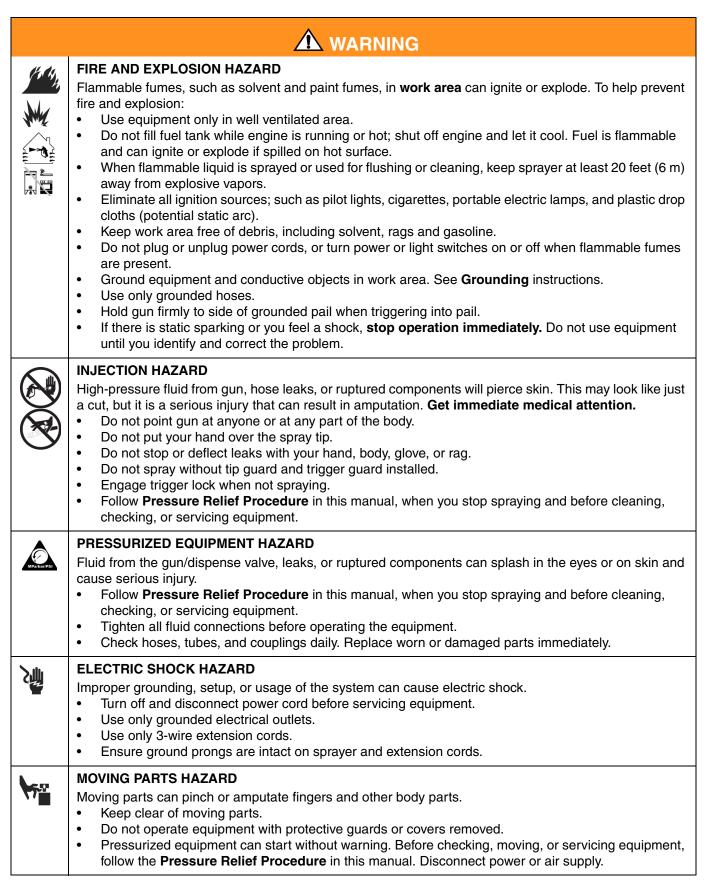
Note

Additional helpful information.

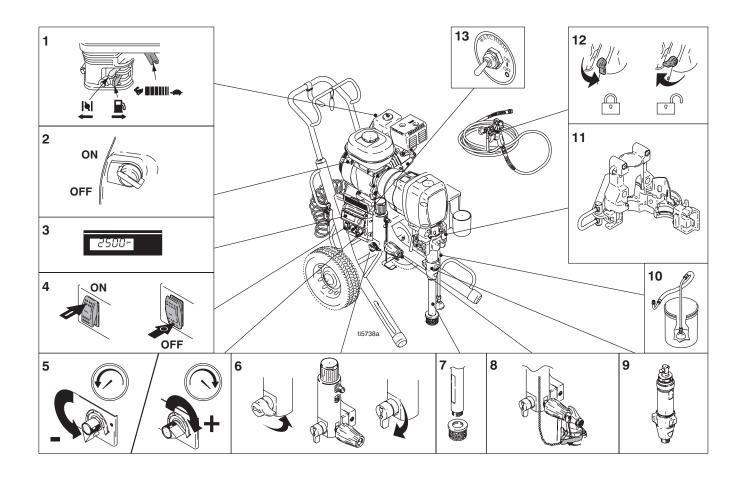
Warning

Warning

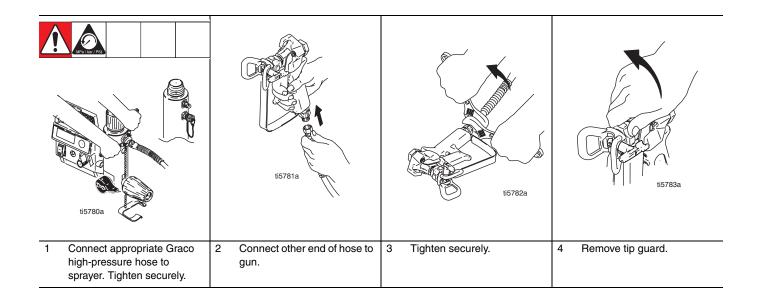
The following warnings include general safety information for this equipment. Further product specific warnings may be included in the text where applicable.

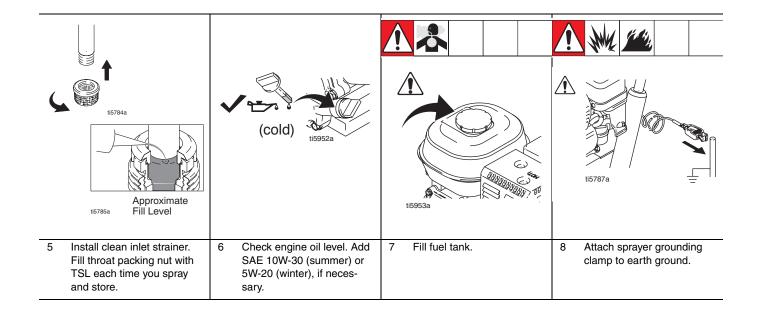


	 EQUIPMENT MISUSE HAZARD Misuse can cause death or serious injury. Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See Technical Data in all equipment manuals. Use fluids and solvents that are compatible with equipment wetted parts. See Technical 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 equipment. For professional use only. Use equipment only for its intended purpose. Call your Graco distributor for information. Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces. Do not use hoses to pull equipment. Comply with all applicable safety regulations.
	PRESSURIZED ALUMINUM PARTS HAZARD Do not use 1,1,1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents in pressurized aluminum equipment. Such use can cause serious chemical reaction and equipment rupture, and result in death, serious injury, and property damage.
	SUCTION HAZARD Never place hands near the pump fluid inlet when pump is operating or pressurized. Powerful suction could cause serious injury.
	CARBON MONOXIDE HAZARD Exhaust contains poisonous carbon monoxide, which is colorless and odorless. Breathing carbon mon- oxide can cause death. Do not operate in an enclosed area.
*	 TOXIC FLUID OR FUMES HAZARD Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled, or swallowed. Read MSDS's to know the specific hazards of the fluids you are using. Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines.
E.	BURN HAZARD Equipment surfaces and fluid that's heated can become very hot during operation. To avoid severe burns, do not touch hot fluid or equipment. Wait until equipment/fluid has cooled completely.
	 PERSONAL PROTECTIVE EQUIPMENT You must wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect you from serious injury, including eye injury, inhalation of toxic fumes, burns, and hearing loss. This equipment includes but is not limited to: Protective eyewear Clothing and respirator as recommended by the fluid and solvent manufacturer Gloves Hearing protection
\mathbf{k}	RECOIL HAZARD Brace yourself; gun may recoil when triggered and cause you to fall, which could cause serious injury.



	English	French	German	Spanish	Italian
1	Engine controls				
2	Engine ON/OFF switch				
3	Premium Digital Display				
4	Pump On/Off Switch				
5	Pressure control				
6	Prime valve & Filter				
7	Suction tube & Inlet Filter				
8	Premium AutoClean2 [™]				
9	Pump				
10	Drain hose				
11	ProConnect [™]				
12	Trigger Lock				
13	WatchDog [™] switch				

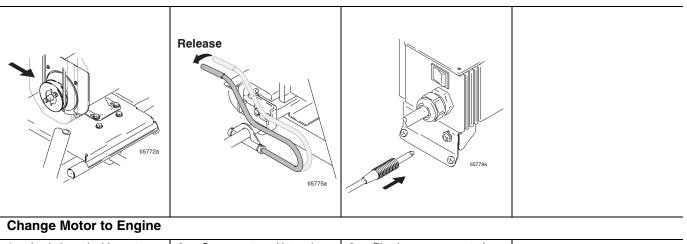




Convertible Models

ti5774a	Release Vistoria	USTTRA	ISTTR
Change Engine to Motor			
1 Disconnect engine power cord	2 Release tension bar	3 Remove engine; tilt and slide back	4 Install motor; drop in and push forward

Convertible Models



1	Look through side vent holes and ensure drive belt	2	Secure motor with tension bar	3	Plug in pressure control power cord
	is in motor pulley				

Startup

Ē	PAINT t5788a – FLUSH	ti5789a	ti5790a
1	Place suction tube and drain tube in grounded metal pail partially filled with flushing fluid. Attach ground wire to pail and to earth ground.	2 Turn prime valve down. Turn pressure control coun- terclockwise to lowest pres- sure.	3 Set pump switch OFF

	ti5248a	ti5249a	ti5250			ti5262a
4	Start engine					
а	Move fuel valve to open	b Move choke to closed	с	Set throttle to fast	d	Set engine switch to ON

	ti5263a	15264a	ti5251a	CCC CCC CCC CCC CCC CCC CCC CCC CCC CC
е	Pull starter rope	f After engine starts, move choke to open	g Set throttle to desired setting	 Set pump switch ON. Pump/clutch is now active -

	15 SEC 0 15794a	ti5795a safety OFF	FLUSH	
6	Increase pressure enough to start pump stroking and allow fluid to circulate for 15 sec- onds; turn pressure down, turn prime valve horizontal.	7 Take spray gun trigger safety OFF	8 Hold gun against grounded metal flushing pail. Trigger gun and increase fluid pres- sure slowly until pump runs smoothly.	Inspect fittings for leaks. Do not stop leaks with your hand or a rag! If leaks occur, turn sprayer OFF immediately. Do Pressure Relief 1 3. on page 23. Tighten leaky fittings. Repeat Startup, 1 5. If no leaks, continue to trigger gun until system is thoroughly flushed. Proceed to 6.

	ti5797a PAINT	ti5798a	safety ON SwitchTip ti5800a One seal	ti5801a
			SwitchTip and Guard Ass	embly
9	Place siphon tube in paint pail	10 Trigger gun again into flush- ing fluid pail until paint appears. Assemble tip and	 Put trigger safety ON. Insert SwitchTip. Insert seat and OneSeal[™]. 	2 Screw assembly onto gun. Hand tighten.

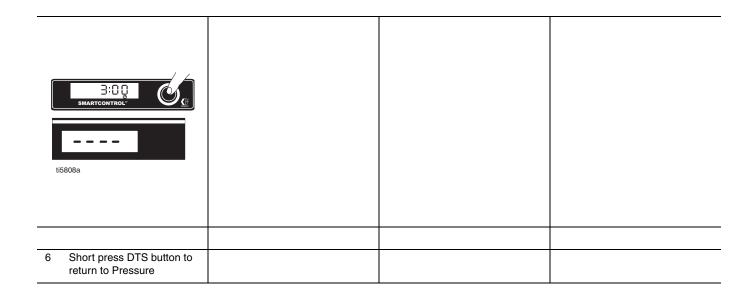
heavy edges	ti5824a	safety ON US25a US25a US25a US25a US795a US795a	safety ON UI5799a UI5799a UI5799a UI5799a UI5795a UI5795a UI5795a
		Clearing Tip Clogs	
 Trigger gun and spray test pattern. Slowly adjust pres- sure to eliminate heavy edges. Use smaller tip size if pressure adjustment can not eliminate heavy edges. 	2 Hold gun perpendicular, 10-12 in. (25-30 cm) from surface. Spray back and forth. Use strokes over- lapped by 50%. Start gun movement before trigger- ing gun and release trigger before stopping gun move- ment.	 Release trigger, put trigger safety ON. Rotate SwitchTip. Take trigger safety OFF and trigger gun to clear the clog. 	Put trigger safety ON, return SwitchTip to original position, take trigger safety OFF and continue spraying.

Premium Operation

SMARTCONTROL"	USTRIA LISH LISH LISH LISH LISH LISH LISH LISH	 ti5804a	
Main Menu			
Close cover when spraying to protect display	1 Do startup steps 1 3.	2 Start engine, page 11. Sprayer Model momen- tarily displays, e. g., G5900 = GMax 5900 Pressure display appears. Dashes appear when pres- sure is less than 200 psi (14 bar, 1.4 MPa).	Note: Information other than pressure can not be accessed if system pressure is greater than 200 psi (14 bar, 1.4 MPa) or if the pump switch is ON.

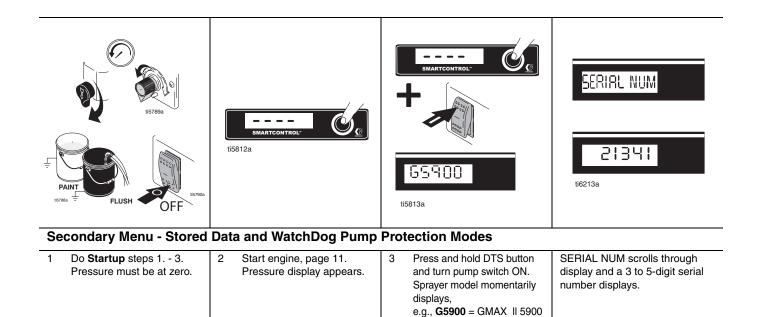
Digital Tracking System[™] (DTS)

t	SMARTCONTROL [®]	H234 SMARTCONTROL [®]	1234 SMARTCONTROL [®]	1234 SMARTCONTROL 3:00 Sisso7a
3	Short press DTS button to move to Job Gallons (or Liters x 10). Note: JOB displays briefly, then the number of gallons sprayed above 800 psi (55 bar, 5.5 MPa).	4 Press and hold to reset to zero, or short press DTS button to move to Lifetime Gallons (or Liters x 10).	Note: LIFE displays briefly, then the number of gallons sprayed above 800 psi (55 bar, 5.5 MPa).	 Short press DTS button to move to AutoClean2 Timer operation (Manual 309955). Note: If the pump is started in the timer mode, the timer counts down to zero and shuts the pump OFF. Use for flushing only.



WatchDog[™] Protection System

UNATCHIDOGO ON OFF OFF	UDON EMPTY ti6224a	WATCHDOOC ON OFF OFF	psi SMARTCONTROL bar psi MPa ti6225a
Pump stops automatically v	hen material pail is empty.		Change Display Units:
To Activate: 1 Do Startup	 Turn WatchDog switch ON and WD ON displays. EMPTY displays/flashes and the pump stops when WatchDog protection sys- tem detects an empty mate- rial pail. 	3 Turn WatchDog switch OFF. Add material or reprime sprayer. Turn pump switch OFF and ON to reset WatchDog protection sys- tem. Turn WatchDog switch back ON to continue to monitor material level	Pressure/Volume: Press and hold (8 seconds) DTS button to change pressure units (psi, bar, MPa), to desired units. Volume units (GAL, LTRx10) fol- low pressure units; i. e., psi/GAL and bar or MPa/LTRx10 Continue to press DTS button to cycle from psi to bar to MPa. Release DTS button to select units.



	21341 SMARTCONTROL 5048 6215a	EBHR SMARTCONTROL 248592 ti6216a Data and WatchDog Pump	Pro	248592 SMARTCONTROL 325 ti6217a		2134 SMARTCONTROL [®]
4	Short press DTS button and date code displays	5 Short press DTS button and part number displays	6	Short press DTS button and engine hours displays	7	Short press DTS button and LAST ERROR scrolls through display followed by stored error message and error code. This information cycles repeatedly until cleared. See manual 310893 for error code explanations.

Se	E = 0 3 SMARTCONTROL ² ELE RR E = 0 0 ti6218a ti6218a	Dat	E:00 SMARTCONTROL W-DOG ti5819a	Prot	W-DO5 SMARTCONTROL 02 ti6221a		H-BOG SMARTCONTROL SO % ti5820a
8	Press and hold DTS button until CLEAR ERROR NO ERROR CODE scrolls through the display and then error code E=00 dis- plays. See Manual 310893	9	Short press DTS button again to move to WatchDog mode. You may now short press and do step 10 or long press do step 11.	10	Short press DTS button again and SOFTWARE REV scrolls through dis- play followed by revision level; e.g., 02	11	Press and hold (8 sec- onds) DTS button to move to WatchDog Trigger % menu. Continue to hold DTS button and WatchDog can be set to trigger at 30, 40, 50 or 60% of current sprayer pressure setting. Release DTS button when desired % is displayed. Default is 50%.

	SO % SMARTCONTROL	UI5822a OFF		
Se	condary Menu - Stored	Data and WatchDog Pump	Protection Modes	
12	Short press DTS button and software revision displays	 Short press to return to step 3. Turn pump switch OFF at any time to exit stored data mode. 		

Cleanup OFF ti5830a OFF PAINT ti5827 ti5828a 5829a **Pressure Relief Procedure** 1 Lock gun trigger safety. 2 Unlock gun trigger safety. Lock gun trigger safety. 4 Remove guard and SwitchTip 3 Set pump switch OFF. Turn pressure to lowest set-Turn prime valve down Turn engine OFF. ting. Trigger gun into pail to relieve pressure.

	ti5831a	tissaza FLUSH	PAINT FLUSH	ON ti5978a
5	Unscrew bowl, remove fil- ter. Assemble without filter. Clean fliter	6 Clean filter, guard and SwitchTip in flushing fluid	 Remove siphon tube set from paint and place in flushing fluid. Use water for water base paint and mineral spirits for oil base paint. 	8 Turn engine ON and start engine. Set pump switch ON. Turn prime valve horizontal.

ti5980a	FLUSH	20 SEC	FLUSH FLUSH I5839a
9 Hold gun against pain Take trigger safety OF Turn pressure control until motor begins to o pump. Trigger gun un flushing fluid appears.	F.hold gun against pail, trig- ger gun to thoroughly flushlrivesystem.ilRelease trigger and put	11 Turn prime valve down and allow flushing fluid to circu- late for approximately 20 seconds to clean drain tube.	12 Raise siphon tube above flushing fluid and run sprayer for 15 to 30 sec- onds to drain fluid. Turn pump switch OFF. Turn engine OFF.

	USTRE ELUSH	ti5840a	ti5843 FLUSH
Caution: If flushing with water, do not leave water in sprayer. Flush again with mineral spirits, oil or Pump Armor and leave this protective coating in the sprayer to help prevent freezing or corro- sion and increase sprayer life.	 Close prime valve. Trigger gun into flushing pail to purge fluid from hose. Open prime valve. 	 14 Install filter into filter bowl. Make sure plastic center tube is tightened securely. Hand tighten filter bowl. Hand tighten gun handle. 	 15 Clean tip, guard and gasket with a soft bristle brush to prevent part failure due to dried materials. Assemble parts and attach loosely onto gun. Wipe sprayer, hose and gun with a rag soaked in water or mineral spirits.

Warranty / Garantie / Garantía / Garanzia / Garantia

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

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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.

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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