

MANUAL NUMBER X021279 | REVISION A | ENGLISH (US)

King® E-Max™ XT™ Electric Airless Sprayer

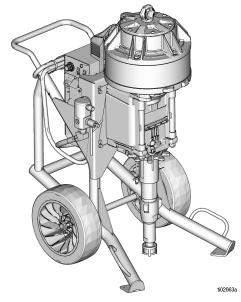
High pressure spray packages for applying high performances coatings. For professional use only.

Not approved for use in explosive atmospheres or hazardous (classified) locations.



Important Safety Instructions

Read all warnings and instructions in this manual, in related manuals, and on the unit before using the equipment. Be familiar with the proper control and usage of the equipment. Save these instructions.



Images are for illustrative purposes only



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PRODUCT INFORMATION

MODELS

Table 1-1: King E-Max XT Sprayer Models

PART NUMBER	DESCRIPTION	VAC	GUN	HOSE (WHIP HOSE)	PRESSURE RATIO	PUMP SIZE	MAXIMUM WORKING FLUID PRESSURE
2009100	Dana	230V	NI /A	N/A			
2009101	Bare	380V	N/A	N/A			
2009106		230V	VTD E	3/8 in. x 50 ft			4000 psi (276 bar, 27.6 MPa)
2009107		380V	XTR 5+	(1/4 in. x 6 ft)			
2009112	0	230V	Silver	3/8 in. x 50 ft			
2009113	Complete	380V	Plus	(1/4 in. x 3 ft)			
2009116		230V	Inline	1/2 in. x 50 ft	40.1	220	
2009117		380V	Texture	(3/8 in. x 11 ft)	40:1		
2009118		230V	VTD F	3/8 in. x 150 ft			
2009119	B: 450	380V	XTR 5+	(1/4 in. x 6 ft)			
2009128	Big 150	230V	Inline	1/2 in. x 150 ft			
2009129		380V	Texture	(3/8 in. x 11 ft)			
2009124	D: 0.50	230V	T	1/2 in. x 250 ft			
2009125	Big 250	380V	Texture	(3/8 in. x 10 ft)			
2009102	Dana	230V	NI / A	NI/A	N/A 3/8 in. x 50 ft (1/4 in. x 6 ft) 3/8 in. x 150 ft		6000 psi (414 bar, 41.4 MPa)
2009103	Bare	380V	N/A	N/A			
2009108	0	230V		3/8 in. x 50 ft			
2009109	Complete	380V	VTD 7.	(1/4 in. x 6 ft)			
2009120	D: 450	230V	XTR 7+	3/8 in. x 150 ft			
2009121	Big 150	380V		(1/4 in. x 6 ft)			
2009104	Dana	230V	NI /A	N/A		145 cc	7250 psi (500 bar, 50 MPa)
2009105	Bare	380V	N/A	N/A			
2009110		230V	VTD 7	3/8 in. x 50 ft	70:1		
2009111	Complete	380V	XTR 7+	(1/4 in. x 6 ft)			

PRODUCT INFORMATION

PART NUMBER	DESCRIPTION	VAC	GUN	HOSE (WHIP HOSE)	PRESSURE RATIO	PUMP SIZE	MAXIMUM WORKING FLUID PRESSURE	
2009114		230V	<u>-</u>	VIIE	1/2 in. x 50 ft			
2009115		380V	XHF	(3/8 in. x 10 ft)				
2009122	D: - 150	230V	VTD 7.	3/8 in. x 150 ft				
2009123	Big 150	380V	XIK /+	XTR 7+ (1/4 in. x 6 ft)				
2009126	D: - 250	230V	Silver HP 3/4 in. x 200 ft, 1/2 in x 50 ft (3/8 in x 10 ft)					
2009127	Big 250	380V		HD I ' I I	' ' '			

HOSE KIT MODELS

Table 1-2: Hose Kit Part Numbers and Application

HOSE KIT PART NUMBER	APPLICATION
N/A	N/A
2002446	Protective Coatings
287850	Roofing
2010130	Texture
2001852	Protective Coatings
2010131	Texture
16U757	Roofing
N/A	N/A
2002447	Post stire Continue
2001850	Protective Coatings
N/A	N/A
2002447	Protective Coatings
17B824	Roofing
2001850	Protective Coatings
17B825	Roofing

PRODUCT INFORMATION

RELATED MANUALS

ENGLISH MANUAL NUMBER	DESCRIPTION
	Lower Manual (Pump)
333507	Hopper Installation Kit, Instructions
311534	25 Gallon Texture Hopper, Instructions
311254	Silver Plus, Silver Plus HP, and Flex Plus™ Airless Spray Guns, Instructions
3A7469	XTR5+™ and XTR7+™ Airless Spray Gun, Instructions
3A2799	XHF™ Spray Gun, Instructions
308491	Texture Airless Spray Gun, Instructions, Parts
3A2954	VISCON® HF High Flow, HIgh Pressure Fluid Heater, Instructions
309524	VISCON® HP High Pressure Fluid Heater, Instructions, Parts
333507	Hopper Installation Kit, Instructions
	Outler Filter Kit

TRANSLATED MANUALS

Digital versions of translated manuals for this product can be found online at www.graco.com/[insert web page url from mktg], or by scanning the QR code listed under **Link to Languages**. Available translations and their respective Graco manual numbers are listed here for reference.

Table 1-3: Translations for King® E-Max™ XT™ Operation Manual X021279

LANGUAGE	MANUAL NUMBER
Chinese	X021279ZH
Dutch	X021279NL
English	X021279EN
French	X021279FR
German	X021279DE
Italian	X021279IT
Japanese	X021279JA
Korean	Х021279КО
Polish	X021279PL
Portuguese	X021279PT
Romanian	X021279RO
Spanish	X021279ES
Swedish	X021279SV
Turkish	X021279TR

LINK TO LANGUAGES

To locate translated manuals online, scan the QR code and find the appropriate manual on the web page which appears.

[insert QR code from Kevin Robb]

www.graco.com/[insert web page url from mktg]

TECHNICAL SPECIFICATIONS

KING® E-MAX™ XT™ ELECTRIC AIRLESS SPRAYERS				
	us	METRIC		
Maximum fluid working pressure				
70:1	7250 psi (145cc)	500 bar, 50.0 MPa		
60:1	6000 psi (180cc)	414 bar, 41.4 MPa		
40:1	4000 psi (220cc)	276 bar, 27.6 MPa		
Fluid Outlet NPSM	1/2 in.	12.7 mm		
Generator Minimum 10 kW				
Power Requirements	220-24	220-240V, 30 A		
Dimensions	,			
Height	45.6 in.	115.8 cm		
Length	35.8 in.	90.9 cm		
Width	24.2 in.	61.5 cm		
Weight	400 lb.	180 kg		
Materials of Construction	,			
Wetted materials on all models zinc- and nickel-plated carbon steel, nylon, stainless steel, PTFE, acetal, leather, UHMWPE, aluminum, tungsten carbide, polyethylene, fluoroelastomer, urethane				
Notes				
All trademarks or registered trademarks are the property of their respective owners.				

SAFETY SYMBOLS

The following safety symbols appear throughout this manual and on warning labels. Read the table below to

SYMBOL	what each symbol means. MEANING	SYMBOL	MEANING
A	Electric Shock Hazard		Read Manual
	Equipment Misuse Hazard	MP-a / Estr / PSI	Follow Pressure Relief Procedure
	Fire and Explosion Hazard		Ventilate Work Area
	Moving Parts Hazard		Wear Personal Protective Equipment
	Skin Injection Hazard		Eliminate Ignition Sources
	Skin Injection Hazard		Do Not Stop Leaks with Hand, Body, Glove or Rag
	Splash Hazard		Do Not Place Hands or Other Body
	Toxic Fluid or Fumes Hazard		Parts Near Fluid Outlet



Safety Alert Symbol

Ground Equipment

This symbol indicates: Attention! Become Alert! Look for this symbol throughout the manual to indicate important safety messages.

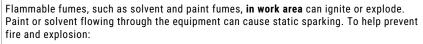
GENERAL WARNINGS

The following warnings apply throughout this manual. Read, understand, and follow the warnings before using this equipment. Failure to follow these warnings can result in serious injury.

↑ WARNING

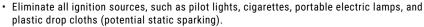


FIRE AND EXPLOSION HAZARD





Use equipment only in well-ventilated area.

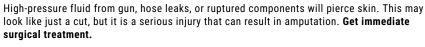




- · Ground all equipment in the work area. See Grounding instructions.
- · Never spray or flush solvent at high pressure.
- · Keep work area free of debris, including solvent, rags and gasoline.
- Do not plug or unplug power cords, or turn power or light switches on or off when flammable fumes are present.
- · Use only grounded hoses.
- Hold gun firmly to side of grounded pail when triggering into pail. Do not use pail liners unless they are anti-static or conductive.
- Stop operation immediately if static sparking occurs or you feel a shock. Do not use
 equipment until you identify and correct the problem.
- · Keep a working fire extinguisher in the work area.

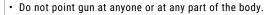


SKIN INJECTION HAZARD





- Do not spray without tip guard and trigger guard installed.
- · Engage trigger lock when not spraying.





Do not put your hand over the spray tip.



- Follow the Pressure Relief Procedure when you stop spraying and before cleaning, checking, or servicing equipment.
- Tighten all fluid connections before operating the equipment.

Do not stop or deflect leaks with your hand, body, glove, or rag.

· Check hoses and couplings daily. Replace worn or damaged parts immediately.

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№ WARNING



EQUIPMENT MISUSE HAZARD

Misuse can cause death or serious injury.



- Do not operate the unit when fatigued or under the influence of drugs or alcohol.
- Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See **Technical Specifications** in all equipment manuals.
- Use fluids and solvents that are compatible with equipment wetted parts. See Technical
 Specifications in all equipment manuals. Read fluid and solvent manufacturer's warnings.
 For complete information about your material, request Safety Data Sheets (SDSs) from
 distributor or retailer
- Do not leave the work area while equipment is energized or under pressure.
- Turn off all equipment and follow the Pressure Relief Procedure when equipment is not in use.
- Check equipment daily. Repair or replace worn or damaged parts immediately with genuine manufacturer's replacement parts only.
- Do not alter or modify equipment. Alterations or modifications may void agency approvals and create safety hazards.
- Make sure all equipment is rated and approved for the environment in which you are using it.
- Use equipment only for its intended purpose. Call your distributor for information.
- Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces.
- Do not kink or over bend hoses or use hoses to pull equipment.
- · Keep children and animals away from work area.
- · Comply with all applicable safety regulations.



ELECTRIC SHOCK HAZARD



This equipment must be grounded. Improper grounding, setup, or usage of the system can cause electric shock.

- Turn off and disconnect power cord before servicing equipment.
- · Connect only to grounded electrical outlets.
- · Use only 3-wire extension cords.
- · Ensure ground prongs are intact on power and extension cords.
- · Do not expose to rain. Store indoors.
- · Wait five minutes after disconnecting power cord before servicing.
- Only use an authorized service center to replace a damaged power cord.

↑ WARNING



PRESSURIZED ALUMINUM PARTS HAZARD

Use of fluids that are incompatible with aluminum in pressurized equipment can cause serious chemical reaction and equipment rupture. Failure to follow this warning can result in death, serious injury, or property damage.

- Do not use 1,1,1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents.
- · Do not use chlorine bleach.
- Many other fluids may contain chemicals that can react with aluminum. Contact your material supplier for compatibility.



MOVING PARTS HAZARD

Moving parts can pinch, cut or amputate fingers and other body parts.



- · Keep clear of moving parts.
- · Do not operate equipment with protective guards or covers removed.
- Equipment can start without warning. Before checking, moving, or servicing equipment, follow the Pressure Relief Procedure and disconnect all power sources.



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 Safety Data Sheets (SDSs) 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.



PERSONAL PROTECTIVE EQUIPMENT

Wear appropriate protective equipment when in the work area to help prevent serious injury, including eye injury, hearing loss, inhalation of toxic fumes, and burns. Protective equipment includes but is not limited to:

- Protective eyewear, and hearing protection.
- Respirators, protective clothing, and gloves as recommended by the fluid and solvent manufacturer.

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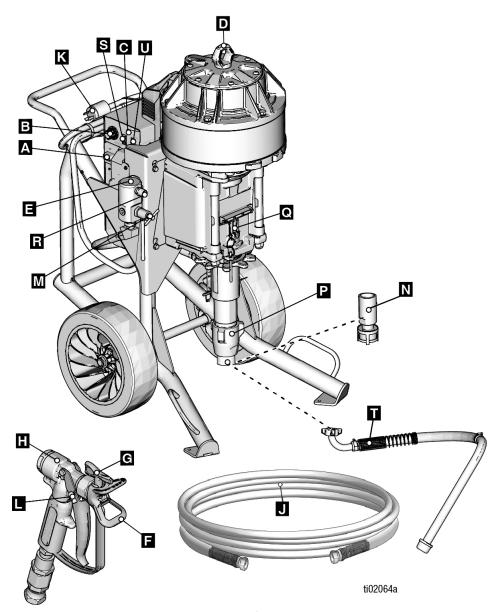


Figure 3-1: Electric Airless Sprayer Component Identification

COMPONENT IDENTIFICATION

Α	ON/OFF Switch
В	Pressure Control
С	LED Indicator
D	Lift Ring
Е	Filter/Manifold
F	Tip Guard
G	Spray Tip
Н	Gun
J	Airless Hose
K	Power Cord
L	Trigger Lock
М	Fluid Drain/Purge Valve
N	Direct Immersion Fluid Intake
Р	Pump
R	Finger Guard/TSL Fill Point
S	Fluid Outlet
Т	WatchDog™ Switch
U	Suction Tube



The equipment must be grounded to reduce the risk of static sparking and electric shock. An electric or static spark can cause fumes to ignite or explode. An improper ground can cause electric shock. A good ground provides an escape wire for the electric current.

This sprayer is equipped with a power cord that has a ground wire and an appropriate grounding plug.

The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and regulations.

Do not modify the plug provided; if it does not fit the outlet, have the proper outlet installed by a qualified electrician.

POWER REQUIREMENTS

220-240 VAC, 50/60 Hz, 30 A, 1 phase.

EXTENSION CORDS

Use an extension cord with an undamaged ground contact. If an extension cord is necessary, use a 3-wire, 10 AWG (2.5 mm2) minimum.

NOTE:

Smaller gauge or longer extension cords may reduce sprayer performance.

Fluid hoses: use only electrically conductive hoses with a maximum of 500 ft. (150 m) combined hose length to ensure grounding continuity. Check electrical resistance of hoses. If total resistance to ground exceeds 29 meg

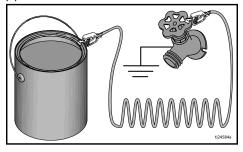
PAILS

Solvent and oil-based fluids: follow local code. Use only conductive metal pails, placed on a grounded surface such as concrete.

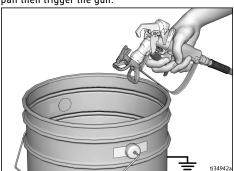
Do not place pail on a non-conductive surface such as paper or cardboard which interrupts grounding continuity.



Always ground a metal pail:connect a ground wire to the pail. Clamp one end to the pail and the other end to a true earth ground such as a water pipe.



To maintain ground continuity when sprayer is flushed or pressure is relieved:hold metal part of spray gun firmly to the side of a grounded metal pail then trigger the gun.



PRESSURE RELIEF PROCEDURE

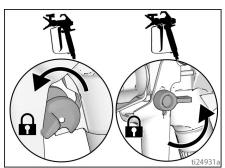


Follow the Pressure Relief Procedure whenever you see this symbol.

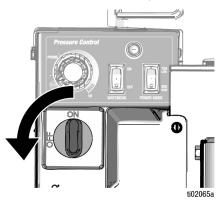


This equipment stays pressurized until pressure is manually relieved. To help prevent serious injury from pressurized fluid, such as skin injection, splashed fluid and moving parts, follow the Pressure Relief Procedure whenver sprayer is stopped and before sprayer is cleaned or checked, and before equipment is serviced.

1. Engage the Trigger Lock.



2. Turn ON/OFF switch to the OFF position.



 Turn Pressure Control knob OFF, or PARK for long term storage. In PARK, pump will cycle until reaching the bottom of the stroke.



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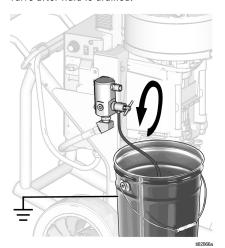
 Hold a metal part of the spray gun firmly to a grounded metal pail. Point spray gun into pail. Disengage the trigger lock and trigger the spray gun to relieve presure.



5. Engage the Trigger Lock.

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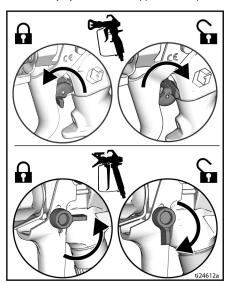
 Drain fluid. To drain fluid, slowly open Fluid Drain/Purge Valve into a waste pail. Close valve after fluid is drained.



- 7. If you suspect the Spray Tip or hose is clogged or that pressure has not been fully relieved:
 - Using a wrench, VERY SLOWLY loosen the tip guard retaining nut or the hose end coupling to relieve pressure gradually.
 - b. Using a wrench, loosen the nut or coupling completey.
 - c. Clear hose or tip obstruction.

TRIGGER LOCK

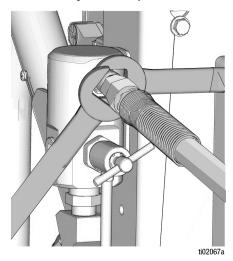
Always engage the trigger lock when sprayer is stopped to prevent the gun from being triggered accidentally by hand or if dropped or bumped.



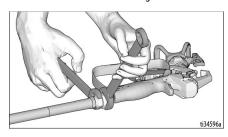


When unpacking sprayer for the first time or after long term storage, perform setup procedure.

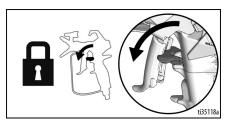
 Connect Graco airless hose to fluid outlet. Use wrenches to tighten securely



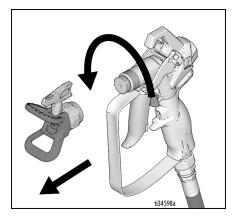
2. Connect other end of hose to gun.



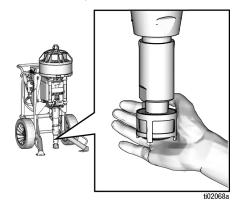
- 3. Use wrenches to tighten securely.
- 4. Engage trigger lock.



5. Remove tip guard.



 When unpacking sprayer for the first time, remove packaging materials from inlet strainer. After long time storage, check inlet strainer for clogs and debris.

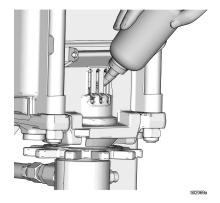


- Fill throat packing nut with TSL to prevent premature packing wear. Do this daily or each time you spray.
 - Place the TSL bottle nozzle into the opening in the grill at the front of the sprayer.

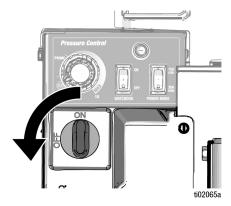
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 Squeeze bottle to dispense enough TSL to fill the space between the pump rod and packing nut seal.



8. Make certain ON/OFF switch is OFF.

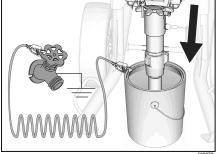


9. Plug power supply cord into a properly grounded electrical outlet.

 Place fluid intake in grounded metal pail partially filled with flushing fluid. See the Grounding section in this manual.

NOTE:

New sprayers are shipped with storage fluid that must be flushed out with compatible solvent prior to using the sprayer. Check flushing fluid for compatibility with material that is to be sprayed. A secondary flush with a compatible fluid may be necessary.



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- 11. Turn pressure control OFF.
- 12. Turn ON/OFF switch to ON position.
- 13. Disengage trigger lock.
- 14. Hold a metal part of the gun firmly to a grounded metal pail. Trigger gun and turn pressure controlup until the pump runs steady and flushing fluid appears. Trigger gun for 10-15 seconds.
- 15. Turn ON/OFF switch to OFF position.
- 16. Engage trigger lock.

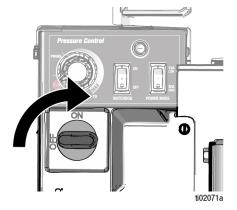
Sprayer is now ready for startup and spray!

High-pressure spray is able to inject toxins into the body and cause serious bodily injury. Do not stop leaks with hand or rag.

- 1. Perform Pressure Relief Procedure.
- 2. Turn pressure control knob to OFF position.



3. Turn ON/OFF switch to ON position.



4. Prime through drain valve only if necessary.

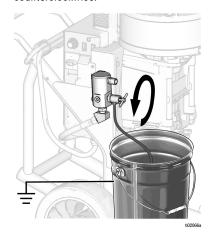
NOTE:

Usually required for high viscosity materials.

NOTICE

Do not prime pump through drain/purge valve using two-component materials. Mixed two-component materials will harden in valve and result in clogging.

Place drain tube in a grounded waste pail.
 Open drain/purge valve by slightly rotating counterclockwise.



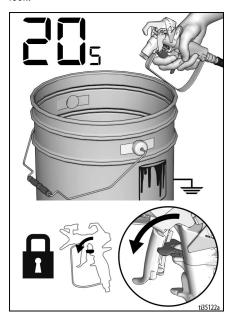
b. Turn pressure control up until the pump runs steady.



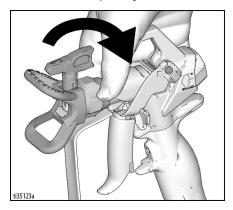
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Prime hose and gun. Trigger until pump begins to cycle and a steady stream comes from the gun. Trigger for 20 seconds. Engage trigger lock.



- Inspect airless hose connections for leaks. If leaks occur, perform Pressure Relief Procedure, then tighten all fittings and repeat startup procedure. If there are no leaks, continue with the next steps.
- With the trigger lock engaged, screw tip assembly onto gun and tighten. See Spray Tip Installation in this manual. For gun assembly instructions, see separate gun manual.

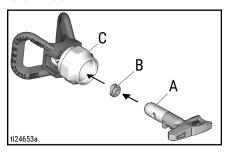


SPRAY TIP

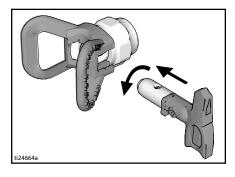


To avoid serious injury from skin injection, do not put your hand in front of the spray tip when installing or removing the spray tip and tip guard.

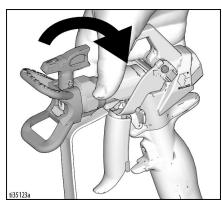
- 1. Perform Pressure Relief Procedure.
- 2. Use spray tip (A) to insert OneSeal™ (B) into tip guard (C).



3. Insert spray tip.

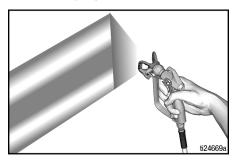


4. Screw assembly onto gun and tighten.



SPRAY

1. Spray test pattern. Adjust pressure to eliminate heavy edges.



2. Use smaller tip size if pressure adjustment cannot eliminate heavy edges.

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CLEAR SPRAY TIP CLOG CLEANUP

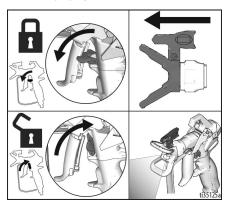


To avoid injury, never point gun at your hand or into a rag!

 Release trigger. Engage trigger lock. Rotate spray tip. Disengage trigger lock. Trigger gun at waste area to clear clog.

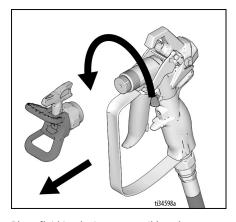


Engage trigger lock. Return spray tip to original position. Disengage trigger lock and continue spraying.

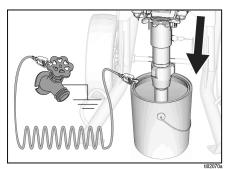




- 1. Perform Pressure Relief Procedure.
- 2. Remove tip guard and spray tip. For additional information, see separate gun manual.



3. Place fluid intake in a compatible solvent.



NOTE:

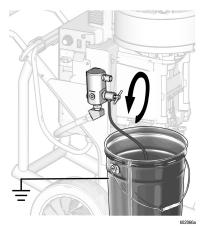
Do not stretch hose tight. Let it hand to assist fluid flow into the pump.

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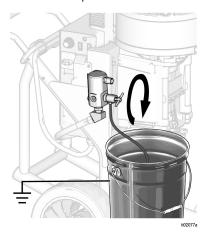
 Hold gun against waste pail. Disengage trigger lock. Trigger gun and turn pressure control up until the pump runs steady and flushing fluid appears.



- 5. Stop triggering gun.
- 6. If the sprayer was primed using the drain/ purge valve, or the drain/purge valve was used to relieve pressure at any time during operation:
 - Place drain tube in a grounded waste pail.
 Open fluid drain/purge valve slightly by rotating counterclockwise.



 Turn pressure control up until the pump runs steady and flushing fluid appears in the waste pail. c. When clean solvent flows from drain tube, close fluid drain/purge valve by rotating clockwise. Pump will stall.



 Turn pressure control knob (B) to PARK. In PARK, pump will cycle until reaching the bottom of the stroke.



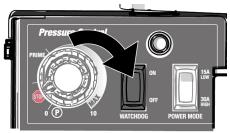
ti02079a

8. Perform Pressure Relief Procedure.

WATCHDOG

The Watchdog™ Pump Protection System automatically shuts down the pump when material runs out of it the suction tube is damanged.

To enable Watchdog, turn Watchdog switch to ${\bf ON}$ position.



MAINTENANCE

Routine maintenance is important to ensure proper operation of your sprayer. Maintenance includes performing routine actions which keep your sprayer in operation and prevents trouble in the future.



Perform **Pressure Relief Procedure** before performing maintenance.

Table 9-1: Maintenance Schedule

ACTIVITY	INTERVAL
Flush Procedure.	Daily or each time you spray.
Fill TSL by adding through TSL fill port.	Daily or each time you spray.
Throat packing adjustment. When pump packing begins to leak after extended use, tighten packing nut until leakage stops or lessens.	As necessary.
Clean suction tube using a compatible solvent.	Daily or each time you spray.

END OF PRODUCT LIFE

At the end of the product's useful life, dismantle and recycle it in a responsible manner.

- · Perform Pressure Relief Procedure.
- Drain and dispose of fluids according to applicable regulations. Refer to the material manufacturer's Safety Data Sheet.
- Remove motors, batteries, circuit boards, LCDs (liquid crystal displays), and other electronic components. Recycle according to applicable regulations.
- Do not dispose of electronic components with household or commercial waste.
- Deliver remaining product to a recycling facility.

MECHANICAL/FLUID FLOW



To help prevent serious injury from pressurized fluid, such as skin injection, splashing fluid, and moving parts, follow the Pressure Relief Procedure when you stop spraying and before cleaning, checking, or servicing the equipment.

Keep clear of moving parts during troubleshooting procedures.

- 1. Follow Pressure Relief Procedure before checking or repairing.
- 2. Check all possible problems and causes before disassembling the unit.

Table 11-1: Troubleshooting

PROBLEM	CAUSE	SOLUTION
	Spray Tip is worn.	Replace Spray Tip. See separate Gun or Spray Tip manual.
	Spray Tip is clogged.	Clear Spray Tip. See Clear Spray Tip Clog.
	Material supply low.	Refill and reprime pump.
	Intake strainer clogged.	Remove and clean, then reinstall. If problem persists, strain the paint.
Pump output is low.	Intake vavle ball and piston ball are not seating properly.	Remove intake valve and clean. Check balls and seats for nicks; replace if necessary. See pump manual. Strain paint before using the remove particles that could clog pump.
	Verify pump does not continue to stroke when gun trigger is released (prime valve not leaking).	Service pump. See pump manual.
	Leaking around throat packing nut which may indicate worn or damaged packings.	Tighten packing nut/wet-cup. Replace packings. See pump manual. Also check piston valve seat for hardened paint or nicks and replace is necessary.
	Pump rod damage.	Repair pump. See pump manual.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
	Piston packings are worn or damanged.	Replace packings. See pump manual.
	O-ring in pump is worn or damaged.	Replace o-ring. See pump manual.
	Large pressure drop in hose with high viscosity materials.	Reduce overall length of hose. Use larger diameter hose.
	Amp switch is on low setting.	Switch to high power mode.
	Leak in suction tube.	Replace suction tube.
Pump loses prime.	Debris stuck in inlet ball.	Remove foot valve and clean with appropriate cleaning solution.

ERROR CODE TROUBLESHOOTING

NOTE:

The blink code is displayed using the LED indicator (C) on the driver. The blink code given below indicates the sequence. For example, blink code 2 indicates two red blinks, a pause, and then repeats.

NOTE:

To clear an error code, first try turning the pressure adjustment knob (B) counterclockwise until it stops. If the status indicator (C) does not stop blinking red shortly after turning the knob to zero, cycle the power by turning the power switch (A) to the OFF position for at least 30 seconds before turning back ON.

Table 11-2: Error Code Table

CODE	MESSAGE	ACTION
02	Code 02-High pressure detected	Relieve pressure. Check for clogs in filters and hoses. Use minimum of 50 ft (15 m) of Graco hose. Check transducer.
03	Code 03-Pressure transducer not detected	Turn sprayer OFF and unplug sprayer. Remove shroud. Check transducer cable and connection to control board. Check transducer.
04	Code 04-Mulitple incoming voltage surges detected.	Turn sprayer OFF and unplug the sprayer. Locate good voltage supply to prevent damage to electronics.
05	Code 05-Motor not spinning due to high mechanical load	Turn sprayer OFF and unplug the sprayer. Attempt to spin motor. Motor should spin freely. If motor doesn't spin freely, remove pump and re-check by spinning motor again. If motor spins easily, check control board.
06	Code 06-Motor thermal protection enabled	Keep sprayer plugged in and allow time to cool. This may take up to an hour. Check vents in bottom and top of sprayer for blockage. If applicable, check fan connector and wiring, fan should be running. Unplug sprayer and check to make sure the motor spins freely.
08	Code 08-Incoming voltage too low for sprayer operation	Turn sprayer OFF and unplug the sprayer. Locate good voltage supply to prevent damage to electronics.
09	Code 09-Communication to encoder failed	Turn sprayer OFF , unplug sprayer and wait five minutes. Remove shroud. Check cables and connections. Check motor.

TROUBLESHOOTING

CODE	MESSAGE	ACTION
10	Code 10-Control board thermal protection enabled	Keep sprayer plugged in and allow time to cool. This may take up to an hour. Check vents in bottom and top of sprayer for blockage. If applicable, check fan connector and wiring, fan should be running. Unplug sprayer and check to make sure the motor spins freely.
12	Code 12-Excessive current protection enabled	Cycle power ON and OFF . If problem persists, check motor.
15	Code 15-Motor not spinning, no motor current detected	Turn sprayer OFF , unplug sprayer and wait five minutes. Remove shroud. Check cables and connections. Check control board. Check motor.
17	Code 17-Control board plugged into wrong voltage	Turn sprayer OFF and unplug the sprayer. Locate good voltage supply to prevent damage to electronics.

Figure 12-1: King E-Max XT Parts Diagram

Table 12-1: King E-Max XT Parts List

REF.	REF. PART DESCRIPTION QTY.					
KEF.	PAKI	DESCRIPTION	QTY.			
•		Replacement Safety Label	1			

 $lack {f Replacement\ safety\ labels,\ tags,\ and\ cards\ are\ available\ at\ no\ cost.}$

CALIFORNIA PROPOSITION 65

CALIFORNIA RESIDENTS



WARNING Cancer and reproductive harm — www.P65warnings.ca.gov.



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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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