

**King™**

# **Electric airless sprayer**

The electric solution for spraying protective coatings




PROVEN QUALITY. LEADING TECHNOLOGY.


# Meet the new King

Graco's King electric airless sprayer combines the benefits of the traditional pneumatic airless sprayer, like the robust ATEX design, simple maintenance and strength, with the benefits of an electric unit like energy cost savings, eliminating icing problems and noise reduction.

## ELECTRIC POWER

	NO NEED FOR AN AIR COMPRESSOR	ENVIRONMENTAL FRIENDLY	CONSISTENT QUALITY
	Avoid the inefficiencies associated with compressors.	Contribute to a cleaner energy future.	Less pulsation to always obtain a good pattern regardless of which tip you use.

## COST SAVINGS


	IMPROVED EFFICIENCY	ENERGY SAVINGS	STAY PRODUCTIVE
	Improved efficiency and an overall lower cost of ownership.	Saves up to 80% of energy costs when compared to an air operated sprayer.*	Stay productive by using the most reliable power source available – electricity!

*\* Study completed for a pump pressure of 241 bar (3500 psi) for 20 hours/week; spraying 1226 L (324 gal) of 73% volume solids epoxy with an XHD519 tip*

## ATEX APPROVED

	ATEX, IECEX, AND CLASS 1, DIV. 1 APPROVALS	SAFE OPERATION	SPRAY SOLVENT-BASED COATINGS
	Allows one to work at any location where generating a spark is of concern.	Get the job done safely: approved for hazardous locations.	Protect yourself against risks from hazardous solvents.

## USER COMFORT

	PLUG IN & SPRAY	A QUIET ELECTRIC MOTOR	NO MORE ICING
	Runs on widely available 240V/15A or 110V/25A power.	When compared to an air motor, the King electric sprayer is up to five times quieter.	By eliminating the need for an air motor, it is possible to avoid all icing problems.



GRACO

King  
E60

WARNING: READ INSTRUCTIONS CAREFULLY BEFORE OPERATING THIS EQUIPMENT. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN SERIOUS INJURY OR DEATH. ALWAYS WEAR YOUR SAFETY GEAR. NEVER OPERATE THIS EQUIPMENT IF YOU ARE DRUGGED OR UNDER THE INFLUENCE OF ALCOHOL. ALWAYS USE PROPER LIFTING TECHNIQUES TO AVOID BACK INJURY. ALWAYS USE PROPER TIE-OFF TECHNIQUES TO AVOID FALLING. ALWAYS USE PROPER LOCKING TECHNIQUES TO AVOID ACCIDENTS. ALWAYS USE PROPER MAINTENANCE PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER STORAGE PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER DISPOSAL PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER CLEANING PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER REPAIR PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER INSPECTION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER TRAINING PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER SUPERVISION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER COMMUNICATION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER SIGNALING PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER MARKING PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER LIGHTING PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER SOUNDING PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER VIBRATION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER TEMPERATURE PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER HUMIDITY PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER PRESSURE PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER FLOW PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER SPEED PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER DIRECTION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER POSITION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER ORIENTATION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER ALIGNMENT PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER ADJUSTMENT PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER CALIBRATION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER TUNING PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER TESTING PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER VERIFICATION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER DOCUMENTATION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER RECORDING PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER REPORTING PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER ANALYSIS PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER EVALUATION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER IMPROVEMENT PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER FEEDBACK PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER COMMUNICATION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER SIGNALING PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER MARKING PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER LIGHTING PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER SOUNDING PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER VIBRATION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER TEMPERATURE PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER HUMIDITY PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER PRESSURE PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER FLOW PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER SPEED PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER DIRECTION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER POSITION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER ORIENTATION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER ALIGNMENT PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER ADJUSTMENT PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER CALIBRATION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER TUNING PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER TESTING PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER VERIFICATION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER DOCUMENTATION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER RECORDING PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER REPORTING PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER ANALYSIS PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER EVALUATION PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER IMPROVEMENT PROCEDURES TO AVOID ACCIDENTS. ALWAYS USE PROPER FEEDBACK PROCEDURES TO AVOID ACCIDENTS.

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# Whatever the application, Graco has the solution

The Graco King electric airless sprayer is a more energy efficient coating sprayer than the majority of sprayers on the market. Not only that, but it has a low cost of ownership due to the lack of compressor maintenance costs. In other words, you save money every single day.

## Applications

- Chemical plants
- In-plant paint shops
- Marine jobs
- Metal fabrication
- Rail jobs
- Refineries & off shore work
- Storage tanks
- Structural steel
- Water and wastewater coatings



## About a customer



PBP Services (Scotland) Ltd is a 3rd generation family-run business operating since 1968 based in Fraserburgh in the North East of Scotland, providing a blasting & coating service to large sections of the fishing fleet based throughout the UK and Europe. They have also diversified to work in the oil & gas industry with an operation in Bahrain.

*"We purchased the electric airless sprayer to provide extra pressure for applying anti-fouling coatings to a ship's hull to achieve energy cost savings by eliminating the use of compressed air. We recently bought a second protective coating unit and believe that this has produced a big advantage for our business, and also see these units as a welcome addition to our painting fleet!"*

Peter Bruce - Owner at PBP Services (Scotland) Ltd

### New driver

- Updated driver for maximum safety while spraying in hazardous locations
- The minimal service driver requires only oil. More up-time, less hassle, reduced maintenance costs

### Pressure control knob

- Minimal training required

### Built-in disconnect switch

- Designed for use in explosive atmospheres

### Electrically operated

- No compressor maintenance costs
- Runs on 240 VOLT/15 AMP or 110 VOLT/25 AMP power
- Low cost of ownership
- Energy efficient

Pinch protection and a dust cover for increased safety

### Bursting disc

- Prevents over-pressure in the spray line

### Xtreme® lower

- 115cc - KING E 60
- 145cc - KING E 50

### Zero cavity carbide Prime/bleed valve

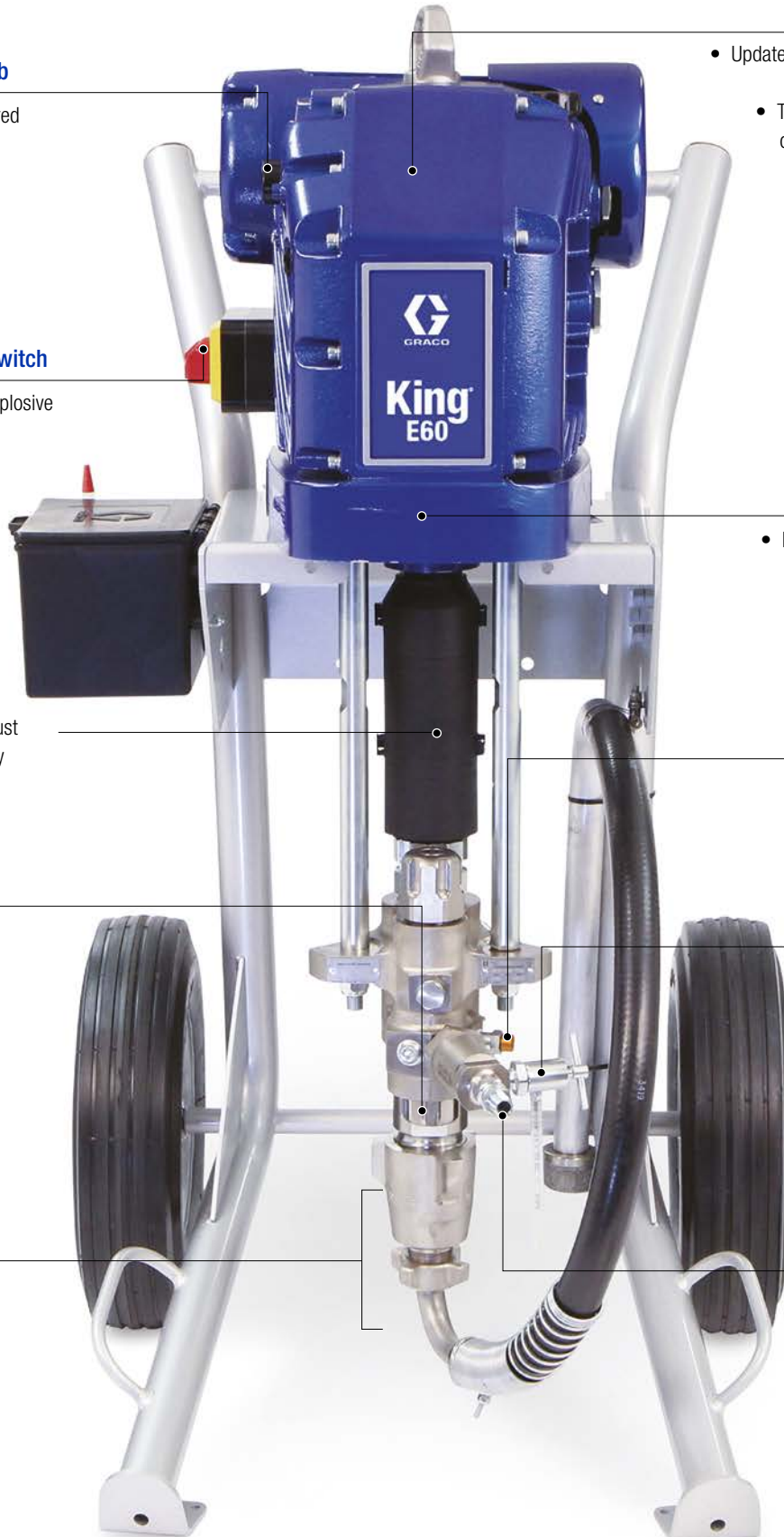
- Quickly and easily relieves pressure in the hose & gun

### Inlet housing and suction set

- Reduced material and solvent requirements when priming/flushing

### Non-return valve

- Helps maintain a consistent fluid pressure



# Which system is right for you?

The King electric airless sprayers are available in two models: E60 and E50.

Regardless of the maximum working pressure you require, Graco has the right sprayer for you.



MODEL	E60 King electric sprayer	E50 King electric sprayer
Maximum working pressure	414 Bar (6000 psi, 41.4 MPa)	310 Bar (4500 psi, 31.0 MPa)
Supported tip size*	0.53 mm (.021 in) @ 345 bar (5000 psi, 34.5 MPa) spray pressure	0.58 mm (.023 in) @ 276 bar (4000 psi, 27.6 MPa) spray pressure
Weight	135 Kg (295 lb)	135 Kg (295 lb)
Overall dimensions (W x H x D)	70 x 127 x 74 (27.5 x 50.0 x 29.0 in)	70 x 127 x 74 (27.5 x 50.0 x 29.0 in)
Operating temperature range	5°C to 50°C (23°F to 120°F)	5°C to 50°C (23°F to 120°F)
Power input	15A @ 200-240V, 50/60 Hz, single phase; 25A @ 100-120V, 50/60 Hz, single phase	15A @ 200-240V, 50/60 Hz, single phase; 25A @ 100-120V, 50/60 Hz, single phase
Sound pressure	70 dB (A)	70 dB (A)
Pump lower	115cc	145cc
Operating manual	3A8126	3A8126

\* The actual supported tip size may be larger or smaller depending on: the actual input voltage, hose length, paint type, paint thinning, and paint temperature.

# Ordering information

## **KING E60 - 414 BAR (6,000 PSI, 41.4 MPA)**

273246..... Cart mount, integrated filter, complete package

273247..... Cart mount, integrated filter, bare package

273250..... Wall mount, integrated filter, complete package

273251..... Wall mount, integrated filter, bare package

*Complete packages include the XTR7 spray gun, XHD 315 and XHD417 tip, 3/8" x 15 metre (50 ft) Xtreme Duty hose, 1.8 metre (6 ft) whip hose*

## **KING E50 - 310 BAR (4,500 PSI, 31,0 MPA)**

273252..... Cart mount, integrated filter, complete package

273253..... Cart mount, integrated filter, bare package

273256..... Wall mount, integrated filter, complete package

273257..... Wall mount, integrated filter, bare package

*Complete packages include the XTR7 spray gun, XHD 315 and XHD417 tip, 3/8" x 15 metre (50 ft) Xtreme Duty hose, 1.8 metre (6 ft) whip hose*

## **HEAVY FLUID PACKAGES:**

273262..... KING E60 cart mount, no filter, heavy fluids with hopper, complete

273264..... KING E50 cart mount, no filter, heavy fluids with hopper, complete

*Packages include a 38 litre (10 gal) SST hopper, XHF spray gun, XHD419 and XHD521 tip, 1/2" x 15 metre (50 ft) Xtreme Duty hose, 1.8 metre (6 ft) whip hose.*

## **ACCESSORIES**

25D234 ..... Repair kit for the KING E50, lower (145cc)

273267..... Repair kit for the KING E60, lower (115 cc)

24X570..... Kit, 38 litre (10 gal) SST hopper

224459..... 60 mesh fluid filter element, twin pack

224468..... 100 mesh fluid filter element, twin pack

16W645..... Gear box oil for electric driver (1 litre)

25D515 ..... Replacement suction hose kit, 1 in NPT, 1 m (3 ft)

25F044..... Suction hose kit, 20 litre (5 gal) pail, 2 m (6 ft)

20A584 ..... Suction hose kit, 200 litre (55 gal) pail, 2 m (10 ft)

24Z267..... Cable assembly, with 1 gland, 8 m, hazardous locations\*

24Z268..... Cable assembly, with 1 gland, 15 m, hazardous locations\*

24Z269..... Cable assembly, with 1 gland, 30 m, hazardous locations\*

24Z271..... Cable assembly, with 2 glands, 8 m, hazardous locations\*\*

24Z272..... Cable assembly, with 2 glands, 15 m, hazardous locations\*\*

24Z273..... Cable assembly, with 2 glands, 30 m, hazardous locations\*\*

25P468..... Kit cable, incl. cable gland, 4.5 metre cable and CEE 7/7 plug, only for non-hazardous locations

\* 1-gland cables have a single gland rated for use in hazardous locations. Recommended when the power supply is outside the hazardous location.

\*\* 2-gland cables are rated at both ends, allowing for connection to a power supply rated for use within the hazardous location.





## ABOUT GRACO

Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions. Graco provides equipment for spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco's ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

## GRACO LOCATIONS

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

Graco is certified ISO 9001.



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