



# **Airless Spray Equipment**

For Protective Coatings Applications

PROVEN QUALITY. LEADING TECHNOLOGY.

# ▶ Graco Has You Covered

Whether it's a large coating project like a bridge, ship or tank, or a simple touch-up project that only takes a few hours, you depend on your spray equipment to deliver a flawless performance every time. Graco offers a complete lineup of the industry's most dependable single-component sprayers—in the exact size you need to accomplish any airless spray project.



HOW TO CHOOSE YOUR SPRAYER	King® XL70-290	King® XL70-180	King® XL40-180	King® E60 / King® E70	King® E50 / King® E60	Merkur® X48 / X72
<b>HOW LARGE IS YOUR PROJECT?</b> Typical Applications*	Large projects that require more duty cycle or multi-gun	Large projects single or multi-gun	Medium projects	Medium projects	Medium projects	Smaller projects that require power and portability
<b>WHAT IS THE DUTY CYCLE OF THE SPRAYER?</b> Production	Very High	High	Med – High	Med – High	Med – High	Low – Med
<b>HOW MANY CREW MEMBERS CAN SPRAY FROM ONLY ONE UNIT?</b>	Multiple 3**	1 – 4	1 – 2	1 – 2	1 – 2	1
Motor Type	<b>Air Operated</b> - XL 10000	<b>Air Operated</b> - XL 6500	<b>Air Operated</b> - XL 3400	<b>Electric</b> - not approved for haz. location	<b>Electric</b> - approved for haz. location	<b>Air Operated</b> - NXT 1800
Motor Diameter, in (mm)	13 (330)	10.375 (263)	7.5 (190)	N/A	N/A	7.5 (190)
Motor Displacement, cc/stroke	10330	6500	3400	N/A	N/A	1800
Maximum Stall Pressure, psi (bar)	7250 (500)	7250 (500)	4000 (276)	6000 / 7250 (414) / (500)	5000 / 6000 (350) / (414)	4800 / 7250 (313) / (500)

\* General guidelines only. Please consult your Graco distributor to ensure you order the proper sprayer for your application.

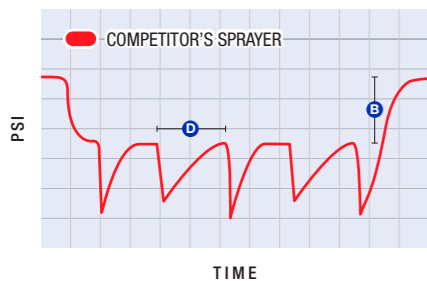
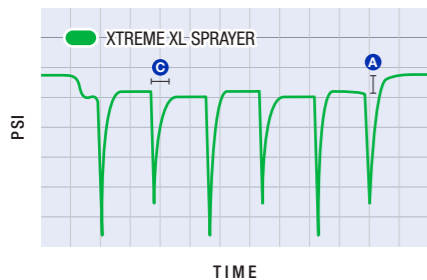
\*\* Depending on spray tip size and material.

# ▶ King® K-Series Sprayer with XL10000 Motor

If you have large jobs that require a high-output sprayer, then you need the King XL80 Sprayer. Configured with the Graco XL Air Motor, the largest air motor Graco has ever built, the King XL80 handles the workload equivalent of multiple sprayers.

## High Pressure and High Flow

Even at high cycle rates, the Xtreme XL Sprayer maintains the high pressure needed to effectively spray up to six guns. Compare the difference in pressure drop and pulsation between the Xtreme XL Sprayer and a competitive brand sprayer at high flow rates.



- A** A 500 psi (34.5 bar) dynamic pressure drop
- B** An 1,800 psi (124 bar) dynamic pressure drop
- C** Little to no perceivable pulsation
- D** Slow changeover means pulsation and pattern fluctuation

## Manual Shuttle Override Button

- Allows manual restart of air motor if main valve experiences ice buildup

## Simplified Valve Design

- Fewer components for easier serviceability
- Little to no pulsation or pattern fluctuation, even with multiple guns
- Quiet operation, even compared to smaller motors

## Xtreme® Lowers

- Easy to maintain with quick knockdown
- New packings for better seal
- Available in longer lasting MaxLife®

## 10,000 cc XL Air Motor

- For 45:1, 70:1, 80:1, 95:1 sprayers
- 13 in (330 mm) diameter
  - Air-piloted for sharp changeovers
- Low pulsation, even with multiple guns

## De-Ice Bleed Air Control

- Maintains performance during heavy icing conditions

## External Pilot Lines

- Isolate lines from cold valve body
- Eliminates non-restartable icing stalls

## Cart with Wheels

- For portability and easy maneuverability
  - Flat-free tires



# ▶ King K-Series Sprayer with XL3400 & XL6500 Motor

Designed with Graco's XL Air Motor, the King XL70 and XL40 Sprayers are proven to outperform and outlast all other sprayers in its class.

It easily handles the toughest protective coatings and corrosion control materials.



## **Exposed Thermally Isolated Poppets**

- Accessible for service

## **De-icing Valve**

- Reduces main valve icing

## **Tool Box**

- Conveniently mounted on cart
- Store your day-to-day essential tools and parts

## **Trusted XL Motor**

- Sharp, smooth changeovers
- Low pulsation, even with multiple guns
- Removable cover for valve maintenance

## **Protective Rod Guard**

- Prevent any potential pinch-point injuries while pump is in motion
- Keeps debris out of throat wet cup

## **Robust Air Controls**

- High capacity filter regulator
- Lubricator option for extreme operating conditions

## **Xtreme® Lowers - (MaxLife shown)**

- Easy to maintain with quick knockdown
- New packings for better seal
- Available in longer lasting MaxLife

## **Improved Siphon Hose**

- Shorter length for easy clean up
- Save flush material
- Less material waste

## **Cart with Wheels**

- For portability and easy maneuverability
- Flat-free tires

# ► Which King K-Series is Right For You?



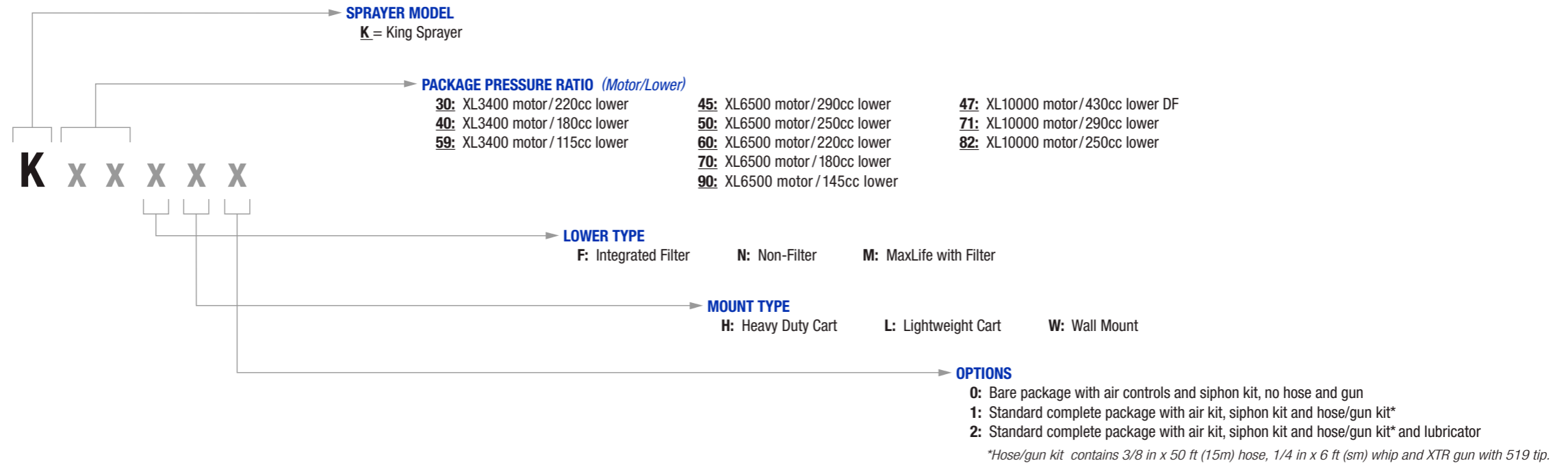
MOTOR PKG	XL10000 MOTOR			XL6500 MOTOR					XL3400 MOTOR			
KING MODEL	XL45-430 <sup>†</sup>	XL70-290	XL80-250	XL45-290	XL50-250	XL60-220	XL70-180	XL90-145	XL25-290	XL30-220	XL40-180	XL60-115
Output per cycle	430cc	290cc	250cc	290cc	250cc	220cc	180cc	145cc	290cc	220cc	180cc	115cc
Maximum Stall Pressure	4800 psi (331 bar, 33.1 MPa)	7250 psi (500 bar, 50.0 MPa)	7250 psi (500 bar, 50.0 MPa)	4550 psi (314 bar, 31.4 MPa)	5200 psi (359 bar, 35.9 MPa)	6000 psi (414 bar, 41.4 MPa)	7250 psi (500 bar, 50.0 MPa)	7250 psi (500 bar, 50.0 MPa)	2375 psi (164 bar, 16.4 MPa)	3150 psi (217 bar, 21.7 MPa)	3800 psi (262 bar, 26.2 MPa)	5900 psi (407 bar, 40.7 MPa)
Maximum Air Input Pressure	100 psi (7 bar, .07 MPa)	100 psi (7 bar, .07 MPa)	88 psi (6 bar, .60 MPa)	100 psi (7 bar, .07 MPa)	100 psi (7 bar, .07 MPa)	100 psi (7 bar, .07 MPa)	100 psi (7 bar, .07 MPa)	80 psi (5.5 bar, .55 MPa)	100 psi (7 bar, .07 MPa)	100 psi (7 bar, .07 MPa)	100 psi (7 bar, .07 MPa)	100 psi (7 bar, .07 MPa)
Output at 60 Cycles/min	6.7 gpm (25.4 lpm)	4.6 gpm (17.4 lpm)	4 gpm (15.1 lpm)	4.6 gpm (17 lpm)	4.0 gpm (15.2 lpm)	3.4 gpm (12.9 lpm)	2.9 gpm (11 lpm)	2.3 gpm (8.7 lpm)	4.6 gpm (17 lpm)	3.4 gpm (12.9 lpm)	2.9 gpm (11 lpm)	1.8 gpm (6.9 lpm)

For more information on Parts & Accessories for High Pressure Protective Coatings Equipment, see brochure 349329.

<sup>†</sup>Uses Dura-Flo™ lower

# King K-Series Ordering Information

## Ordering Matrix



### King Heavy-Fluid, high pressure spray packages uses XL10000 motor

Designed for materials that will gravity feed, but are higher viscosity and filled, requiring a filter-less pump lower for less plugging. Packages include 10 gal (38 L) SST hopper, no fluid filter, 3/4 in outlet check valve, 3/4 in x 50 ft (15 m) hose, 1/2 in x 25 ft (7.6 m) whip and XHF spray gun with 429 tip.

- 24X593 King XL70-290 Heavy-fluid\* spray package
- 24X594 King XL80-250 Heavy-fluid\* spray package

\*Heavy-fluid materials vary and should be tested with a qualified distributor. Material should be pourable and self-leveling.

### King Cart Packages without Lowers, no lubricator

- KN3DHO XL3400 on a Bare Heavy-Duty Cart\*
- KN3DLO XL3400 on a Bare Lightweight Cart\*
- KN6DHO XL6500 on a Bare Heavy-Duty Cart\*
- KN6DLO XL6500 on a Bare Lightweight Cart\*

\*Add any Xtreme Lower (Sizes 145cc-290cc) to make a Package. Includes tie rods, coupling kit and a suction hose.

### King Accessories

- |        |   |        |  |
|--------|---|--------|--|
| 24X552 | DataTrak kit for XL 3400, XL 6500, XL 10000 motors, no runaway solenoid   | 17V322 | Low Noise Motor Conversion Kit for XL 3400 & XL 6500 Motors      |
| 24X550 | DataTrak kit for XL 3400, XL 6500, XL 10000 motors, with runaway solenoid | 24X570 | 10-gal SST hopper kit for XL 3400, XL 6500, XL 10000 pkgs.       |
| 116635 | Air filter element  | 17V587 | 4-gun spray line manifold with ball valves, no independent flush |
| 244841 | King Cart Lubricator Kit  | 262826 | Gun Splitter, 2 guns, with independent flush                     |
| 202659 | Air motor lubricator oil  | 206994 | Throat Seal Liquid (TSL)   |

# ▶ King E-Series Electric Sprayer for Hazardous Location

Graco's King E50 and E60 Electric Airless Sprayers are the world's first electric sprayer for protective coatings approved for hazardous locations. This series operates on a more reliable, convenient and available electric power source, which improves jobsite inefficiencies associated with compressors.

If your air compressor goes down, you no longer have to stop production. More so, electric technology eliminates pulsation and motor icing making your jobs run smoothly - every time!

## Pressure Control Knob

- Minimal training required

## Built-in Disconnect Switch

- Designed for explosive atmospheres

## Tool Box

- Conveniently mounted on cart
- Store your day-to-day essential tools and parts

## Heavy Duty Cart

- Built for your rugged job-site
- Optional light-weight cart
- Optional wall mount

## Xtreme® Lower

- 145cc – E50
- 115cc – E60

## Inlet Housing and Suction Set

- Reduced material and solvent requirements when priming/flushing

## Electric Driver

- Updated driver for complete safety while spraying in hazardous locations
  - Minimal service driver
- More up-time, less hassle, reduced maintenance costs
- **E60** - Up to 6000 psi stall (5000 psi dynamic)
- **E50** - Up to 5000 psi stall (4000 psi dynamic)

## Electrically Operated

- No compressor maintenance costs
  - 220V (15A); or 110V (25A)
  - Single Phase 50/60 Hz
- Truly airless spray technology
  - 3 year limited warranty

## Drain/Purge Valve

- Relieve pressure in the gun and hose quickly

## Check Valve

- Maintain consistent fluid pressure



# ▶ King E-Series Electric Sprayer for Non-Hazardous Location

The King E60 & E70 Electric Sprayers are an electric alternative to air-operated single-leg sprayers. They produce a smooth, consistent, evenly distributed spray pattern – without the need to tow a large compressor.

## *Electrically Operated*

- High / Low amperage mode
- 220V (15A/20A); or 110V (20A/30A)
- Single Phase 50/60 Hz
- Truly airless spray technology

## *Portable, Light-weight Cart*

- Easy to maneuver
- Optional heavy-duty cart
- Optional wall mount

## *Check Valve*

- Maintain consistent fluid pressure



## *Dual Cooling Fans*

- Sprayer operates in temperatures up to 120°F (50°C)
- Ideal for continuous duty applications

## *Electric Driver*

- E60 - Up to 6000 psi stall (5000 psi dynamic)
- E70 - Up to 7250 psi stall (6300 psi dynamic)
- 3 year limited warranty

## *Xtreme Lower*

- Quick knock down for easy repairs
  - 145cc – E60
  - 115cc – E70



# ► Which King Electric System is Right For You?



APPROVALS	Hazardous Locations: ATEX, IECex, FM-US, FM-CAN		Non-Hazardous Locations: Not for use in explosive atmospheres	
MODEL	E50	E60	E60	E70
Maximum Stall Pressure	5000 psi (350 bar, 35.0 MPa)	6000 psi (415 bar, 41.5 MPa)	6000 psi (415 bar, 41.5 MPa)	7250 psi (500 bar, 50.0 MPa)
Maximum Recommended Tip Size	0.021 in (0.53 mm)	0.023 in (0.58 mm)	0.023 in (0.58 mm)	0.023 in (0.58 mm)
Flow Rate @ Spray Pressure	0.6 gpm (2.3 lpm) @ 4000 psi (276 bar, 27.6 MPa)	0.7 gpm (2.7 lpm) @ 5000 psi (350 bar, 35.0 MPa)	0.9 gpm (3.4 lpm) @ 5000 psi (350 bar, 35.0 MPa)	0.7 gpm (2.7 lpm) @ 6300 psi (435 bar, 43.5 MPa)
Pump Lower	145cc	115cc	145cc	115cc
Input Power	Single Phase 50/60Hz: - 100-120V (25A); or - 200-240V (15A)		Single Phase 50/60Hz: - 100-120V (30A); or - 200-240V (20A)	
Operating Temperature Range	23°F to 120°F (-5°C to 50°C)		23°F to 120°F (-5°C to 50°C)	
Sound Pressure	<80 dB (A)		<80 dB (A)	
Operation Manual	3A8126		3A8477	

# ▶ Which King Electric System is Right For You?

## Hazardous Location

273246	E60, Heavy Duty Cart, Integrated Filter, Complete Pkg	273251	E60, Wall Mount, Integrated Filter, Bare Pkg	273256	E50, Wall Mount, Integrated Filter, Complete Pkg
273247	E60, Heavy Duty Cart, Integrated Filter, Bare Pkg	273252	E50, Heavy Duty Cart, Integrated Filter, Complete Pkg	273257	E50, Wall Mount, Integrated Filter, Bare Pkg
273248	E60, Lightweight Cart, Integrated Filter, Complete Pkg	273253	E50, Heavy Duty Cart, Integrated Filter, Bare Pkg	273262	E60, Heavy Fluids Pkg, Heavy Duty Cart, No Filter, Complete Pkg
273249	E60, Lightweight Cart, Integrated Filter, Bare Pkg	273254	E50, Lightweight Cart, Integrated Filter, Complete Pkg	273264	E50, Heavy Fluids Pkg, Heavy Duty Cart, No Filter, Complete Pkg
273250	E60, Wall Mount, Integrated Filter, Complete Pkg	273255	E50, Lightweight Cart, Integrated Filter, Bare Pkg		

## Hazardous Location Accessories

24Z267	Cable assembly, with 1 gland 8 m*	24Z271	Cable assembly, with 2 glands 8 m**	24Z273	Cable assembly, with 2 glands 30 m,**
24Z268	Cable assembly, with 1 gland 15 m*	24Z272	Cable assembly, with 2 glands 15 m**	121171	Cable insert for <b>non-hazardous</b> locations only, no cable
24Z269	Cable assembly, with 1 gland 30 m*				

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

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

**Series - B cable assemblies must be used for 100-120V operation.**

## Non-Hazardous Location

273746	E70, Heavy Duty Cart, Integrated Filter, Complete Pkg	273751	E70, Wall Mount, Integrated Filter, Bare Pkg	273756	E60, Wall Mount, Integrated Filter, Complete Pkg
273747	E70, Heavy Duty Cart, Integrated Filter, Bare Pkg	273752	E60, Heavy Duty Cart, Integrated Filter, Complete Pkg	273757	E60, Wall Mount, Integrated Filter, Bare Pkg
273748	E70, Lightweight Cart, Integrated Filter, Complete Pkg	273753	E60, Heavy Duty Cart, Integrated Filter, Bare Pkg	273762	E70, Heavy Fluids Pkg, Heavy Duty Cart, No Filter, Complete Pkg
273749	E70, Lightweight Cart, Integrated Filter, Bare Pkg	273754	E60, Lightweight Cart, Integrated Filter, Complete Pkg	273764	E60, Heavy Fluids Pkg, Heavy Duty Cart, No Filter, Complete Pkg
273750	E70, Wall Mount, Integrated Filter, Complete Pkg	273755	E60, Lightweight Cart, Integrated Filter, Bare Pkg		

## Non-Hazardous Location Accessories

17B291	Jiffy Mixer blade	XTR720	XTR7+ Gun, rnd. hndl., 4-fing. trig., no tip	246294	10 in (254 mm) gun extension, 7250 psi (500 bar, 50 MPa)
24V083	SST hopper kit, incl. hopper, connection kit and bracket	XTR721	XTR7+ Gun, rnd. hndl., 4-fing. trig., flat switchtip	246295	15 in (380 mm) gun extension, 7250 psi (500 bar, 50 MPa)
245176	Suction kit	XTR722	XTR7+ Gun, oval-insul. hndl., 4-fing. trig., XHD RAC switchtip	246296	18 in (457 mm) gun extension, 7250 psi (500 bar, 50 MPa)
25D489	Low Voltage kit, 120V/15A adapter	XTR723	XTR7+ Gun, oval-insul. hndl., 2-fing. trig., XHD RAC switchtip	XHD001	Graco XHD Guard for pressures up to 7250 psi (500 bar, 50 MPa)
191635	Suction tube strainer	XTR724	XTR7+ Gun, rnd. hndl., 4-fing. trig., XHD RAC switchtip	206994	Throat Seal Liquid (TSL)
XHD529	Tip, spray, cylinder (529). <i>Included with Complete Pkg sprayers</i>	XTR725	XTR7+ Gun, rnd. hndl., 2-fing. trig., XHD RAC switchtip		
273141	XTR+ Gun repair kit	262854	XHF Gun, includes XHD 429 tip		
XTR520	XTR5+ Gun, rnd. hndl., 4-fing. trig., no tip	26C793	XHF Top Feed Gun, includes XHD 429 tip		
XTR521	XTR5+ Gun, rnd. hndl., 4-fing. trig., flat switchtip	237260	XHF Gun repair kit		
XTR522	XTR5+ Gun, oval-insul. hndl., 4-fing. trig., XHD RAC switchtip				
XTR523	XTR5+ Gun, oval-insul. hndl., 2-fing. trig., XHD RAC switchtip				
XTR524	XTR5+ Gun, rnd. hndl., 4-fing. trig., XHD RAC switchtip				
XTR525	XTR5+ Gun, rnd. hndl., 2-fing. trig., XHD RAC switchtip				

## ► Merkur® X48 and X72 Series

Merkur X48 and X72 single component airless sprayers offer the ultimate combination of power and portability, giving you the ability to spray tough materials in the most challenging situations. Weighing just 99 pounds (45 kg), the Merkur Sprayer can easily be positioned in tight areas, without sacrificing spray quality or power.

### *High Pressure*

- With up to 7200 psi (500 bar, 50 MPa)
- Sprays high solids coatings
- Supports longer hose runs

### *Easy to Maintain*

- Easy to disassemble pump from air motor

### *Merkur Pump Lower*

- Improved handling of high viscosity coatings
- Long-lasting Chromex™ coated rod

### *Inlet*

- Smooth 1-1/4 in inlet reduces “dead spots” and coating buildup

### *Lightweight and Portable*

- Weighs only 99 lb (45 kg)

### *Throat and Piston Packings*

- Self-adjusting and spring loaded to maintain packing life

### *Pressure Bleed Valve*

- Floating ball design – zero cavity
- Reduces clogging and leaking

### *Quick Knock-Off Suction Hose*

- Large 1 in x 6 ft (25 mm x 1.8 m) suction hose



# ► Which Merkur is Right For You?

PRODUCT SPECIFICATIONS		Merkur X48	Merkur X72
	Maximum Fluid Working Pressure	4800 psi (330 bar, 33 MPa)	7200 psi (500 bar, 50 MPa)
	Recommended Tip Size	Up to 0.025	Up to 0.021
	Fluid Flow at 60 Cycles/min	1.2 gpm (4.5 lpm)	0.8 gpm (3.0 lpm)
	Pump Weight	99 lb (45 kg)	99 lb (45 kg)

\* *Varies by coating and duty cycle*

For more information on Parts & Accessories for High Pressure Protective Coatings Equipment, see brochure 349329.

## Merkur Sprayers

16V174	Merkur X72 bare unit	16V175	Merkur X48 bare unit	16U920	Merkur X48 complete package
16U918	Merkur X72 complete package				

*Complete package includes XTR gun with 519 tip and 3/8 in x 25 ft (7.6 m) hose, 6 ft (1.8 m) whip*

## Merkur Accessories

16U924	Repair kit, X72 fluid section	224459	60 mesh fluid filter kit, 2-pack	106149	Air line filter kit, 1/2 in npt (fbc), 20 micron <i>(requires fittings)</i>
16U925	Repair kit, X48 fluid section	224468	100 mesh fluid filter kit, 2-pack	24A576	Optional DataTrak™ kit
16V583	Fluid filter kit, 7250 psi (500 bar). <i>Includes 60 mesh filter element.</i>				

*For more information on Parts & Accessories for High Pressure Protective Coatings Equipment, see brochure 349329.*



## GRACO HEADQUARTERS

### WORLDWIDE HEADQUARTERS

Graco Inc.  
88 -11th Avenue N.E.  
Minneapolis, MN 55413  
Tel: 612-623-6000



# Graco Has You Covered

### Facilities Worldwide for Global Support



### Commitment to Quality Since 1926

When you choose Graco, you're investing in high-quality products built to last for years of reliable service. Moreover, we partner with our customers to better understand how you're deploying our products in the field, then use your experiences to improve performance and durability. Our goal is to exceed your quality expectations for equipment longevity, reliability and performance every day.



### Local Distribution and Support

Graco partners with authorized distributors across the globe to provide you with local sales and service support, application expertise and availability of inventory. Graco's has dedicated field experts in all areas of the world to support the products we sell so you can be assured of getting the answers you need when you need them.



### Customer Service You Can Count On

No matter where your team is in the world, we strive to provide the best customer service in the industry. We call it Graco's A+ Service. Graco's A+ Service philosophy is our promise to only deliver top-shelf (A+) service to every customer, every time. We'll listen to the situation and work to resolve it as quickly as we can.

**Contact us today!**

Call **866-361-5959** to talk with a Graco representative, or visit [www.graco.com](http://www.graco.com) for more information.

