



# King<sup>®</sup>

Airless Sprayers for  
Protective Coatings Applications

PROVEN QUALITY. LEADING TECHNOLOGY.





**G**raco airless sprayers have been the industry's preferred brand for over 60 years. When looking for a dependable, durable and rugged single-component protective coatings pump to get the job done – Graco Has You Covered.



“I trust the brand that has never let me down.”

*- current Graco sprayer*

**T**he King fully loaded and ready to tackle your toughest job.

### **Exposed Thermally Isolated Poppets**

- Accessible for service

### **Tool Box**

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

### **Protective Rod Guard**

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

### **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

### **De-icing Valve**

- Reduces main valve icing

### **Trusted XL Motor**

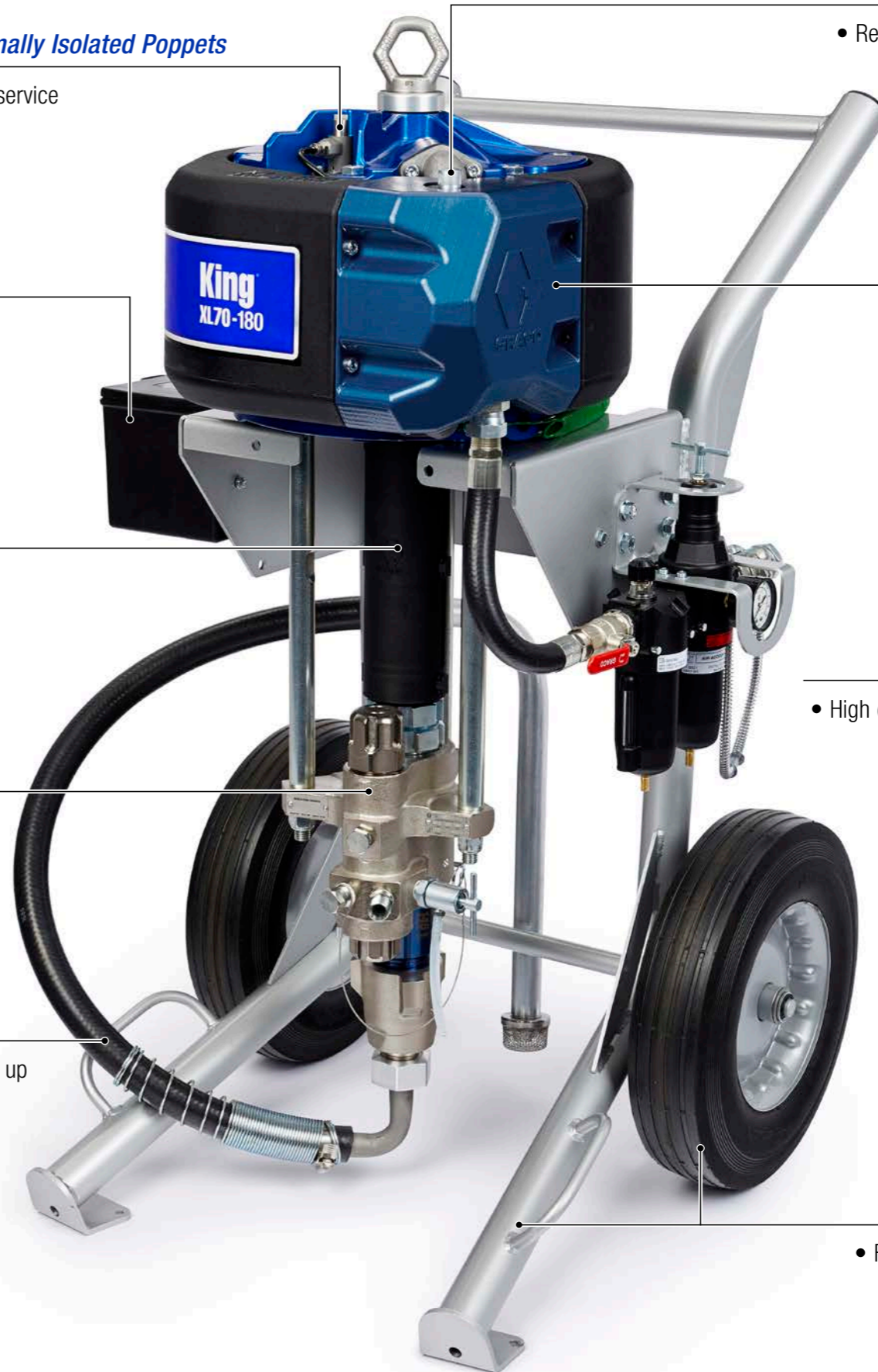
- Sharp, smooth changeovers
- Low pulsation, even with multiple guns
- Removable cover for valve maintenance

### **Robust Air Controls**

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

### **Cart with Wheels**

- For portability and easy maneuverability
- Flat-free tires





 **S**prayers require simple maintenance – we've made it easy.

A factory installed toolbox contains common items that every applicator should have on the job site. Contents include throat seal liquid, air filter element, tool for poppet and air valve, pump filter cap O-rings, pump filter element, spare tip and gun filter.


The box also includes storage space for your Graco XTR™ Spray Gun.

# **SIMPLE** **MAINTENANCE**

*with removable valve cover and easy access to poppet valves.*







**T**hermally isolated poppets\* are insulated from motor castings that can often drop below freezing. The newly designed poppets and external pilot lines virtually eliminate pilot valve freezing that can result in an instant stop. The components are easily accessed for service or replacement if needed.

*\*Thermally isolated poppets used on XL 3400 and XL 6500 motors only.*

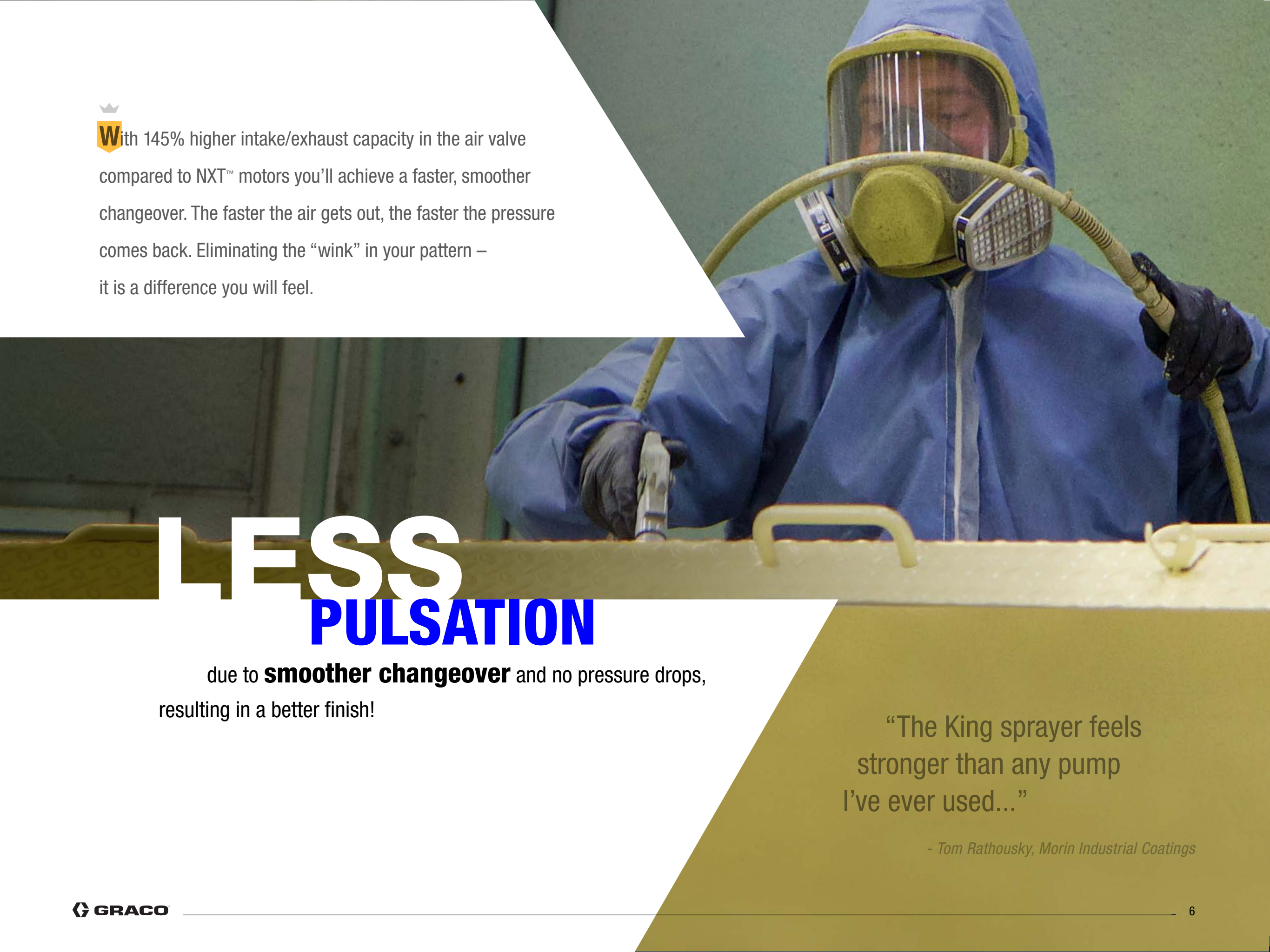
# REDUCED ICING POTENTIAL

by **up to 70%** with thermally isolated poppets.

“We like the King pump, we can’t break it, it will not freeze!”

*- Hunnicutt’s Incorporated*





**W**ith 145% higher intake/exhaust capacity in the air valve compared to NXT™ motors you'll achieve a faster, smoother changeover. The faster the air gets out, the faster the pressure comes back. Eliminating the “wink” in your pattern – it is a difference you will feel.

# LESS PULSATION

due to **smoother changeover** and no pressure drops, resulting in a better finish!

“The King sprayer feels stronger than any pump I’ve ever used...”

- Tom Rathousky, Morin Industrial Coatings



**P**ackings play a critical role in optimizing spray performance by sealing pressure and holding material inside the pump. The tighter the seal, the better the performance.

- Graco UHMWPE is RED
- Reinforced PTFE is WHITE
- Packing glands are BLACK



**IMPROVED SEALING AND STRENGTH**  
With enhanced edge loading and seven throat packings instead of five.

“Whatever you did works... I haven’t experienced throat leakage with these new packings and I’ve been using pumps for 42 years.”

- Dave McAnany, sub-contractor for Worldwide Industries

**MaxLife** pumps are designed for the most demanding jobs, providing unmatched durability and life.

- Exclusive MaxLife sleeve and rod
- Up to 6X longer life
- Long-life ceramic balls for maximum versatility no matter what you're spraying *(optional kit)*
- Standard 2-line outlet

**Cartridge-style Throat Packings**

- Quickly remove and replace for service

**Built-in Filter**

- Easy to maintain or remove

**Zero Cavity Carbide Prime/Bleed Valve**

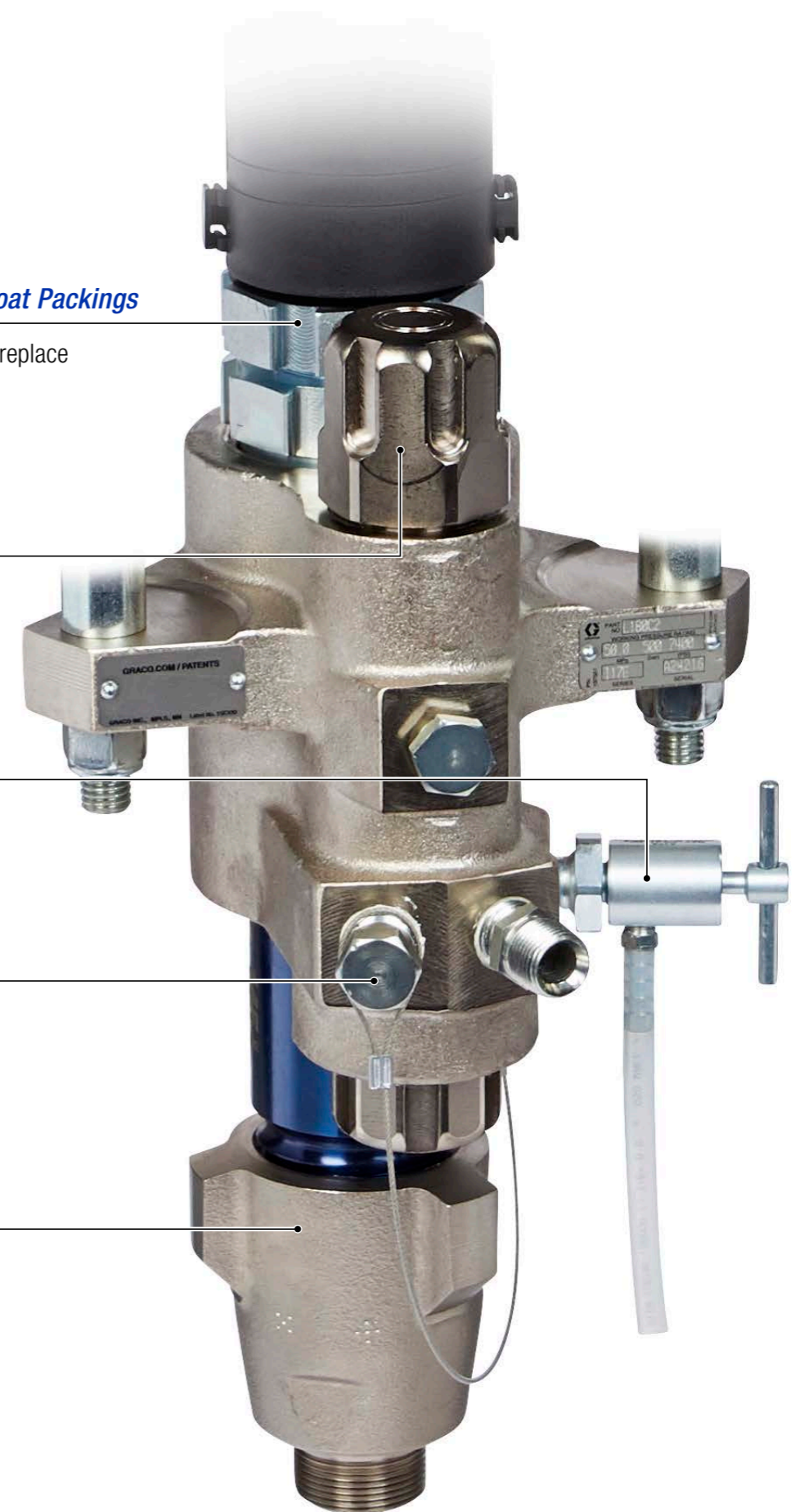
- Less maintenance and no material build up

**Zero Cavity 2nd Gun Outlet**


- Allowing no material build up when not in use

**Quick Knockdown Intake Valve and Cylinder**

- Easy to service with minimal tools





 Graco's powerful new air motor lets you use multiple guns with almost no perceivable pulsation. A new manifold has been designed to simplify the installation of multiple guns.

# Multi-Gun CAPABILITIES

With more powerful and efficient changeovers,  
the ability to spray with up to six guns\* is now a reality.

*\* Material, hose and tip size dependent*

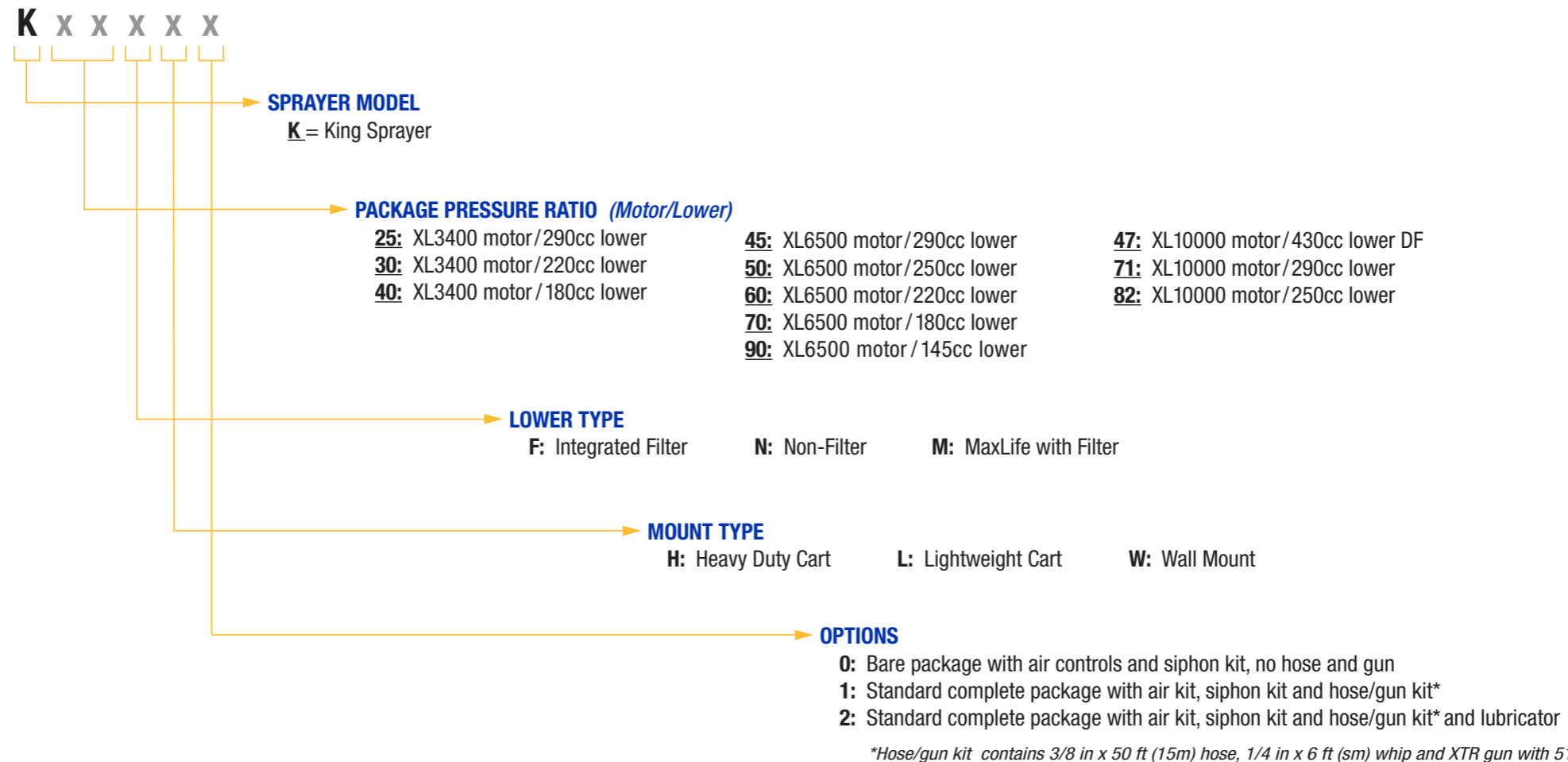
“We spray with two guns most days. The King pump has so much power, it has no problem keeping up.”

*- Cory Coles, Darran Green Sandblasting*



# ► Ordering Information

The Graco King line of airless sprayers are built with your needs in mind. Depending on your job requirements – Graco Has You Covered. Use the matrix below to create your part number. *Not all combinations are available. Contact your Graco Distributor or reference manuals 3A5422 and 334645 for a full list of available part numbers.*



MOTOR PACKAGE	XL3400 MOTOR			XL6500 MOTOR					XL10000 MOTOR		
KING SPRAYER MODEL	XL25-290	XL30-220	XL40-180	XL45-290	XL50-250	XL60-220	XL70-180	XL90-145	XL45-430 <sup>†</sup>	XL70-290	XL80-250
Output per cycle	290cc	220cc	180cc	290cc	250cc	220cc	180cc	145cc	430cc	290cc	250cc
Maximum Working Pressure, psi (bar, MPa)	2375 (164, 16.4)	3150 (217, 21.7)	3800 (262, 26.2)	4550 (313, 31.3)	5200 (359, 35.9)	6000 (417, 41.7)	7250 (500, 50.0)	7250 (500, 50.0)	4800 (331, 33.1)	7250 (500, 50.0)	7250 (500, 50.0)
Maximum Air Input Pressure, psi (bar, MPa)	100 (7, .07)	100 (7, .07)	100 (7, .07)	100 (7, .07)	100 (7, .07)	100 (7, .07)	100 (7, .07)	80 (5.5, .55)	100 (7, .07)	100 (7, .07)	88 (6, .60)
Output at 60 Cycles/min gpm (lpm)	4.6 (17)	3.4 (12.9)	2.9 (11)	4.6 (17)	4.0 (15.2)	3.4 (12.9)	2.9 (11)	2.3 (8.7)	6.7 (25.4)	4.6 (17.4)	4 (15.1)

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

<sup>†</sup>Uses Dura-Flo™ lower



## ▶ Additional Ordering Information

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### 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 Air-Assisted Airless Spray Packages using XL3400 Air Motor

Air-assisted airless technology combines airless spray with atomization air near the tip to assist with atomization allowing for lower spray pressure and reduced overspray. Atomization air effectiveness depends on the coating being sprayed, airless spray pressure and the tip size being used. It is most effective with lower viscosity solvent based protective coating materials.

**287975** King XL30-220 Air-assisted Airless spray package\*

**287976** King XL40-180 Air-assisted Airless spray package\*

**288527** Air-Assist Air Regulator and Mounting Kit\*\*

### 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.*

*\*Package includes atomization air regulator, 1/4 in. x 50 ft. (15m) spray line, 1/4 in. x 50 ft. airline, G40 spray gun with LTX\_ \_ \_ tip of choice*

*\*\*Used for adding air-assist capability to an existing King sprayer.  
(Note: Order fluid hose, airline and gun separately)*

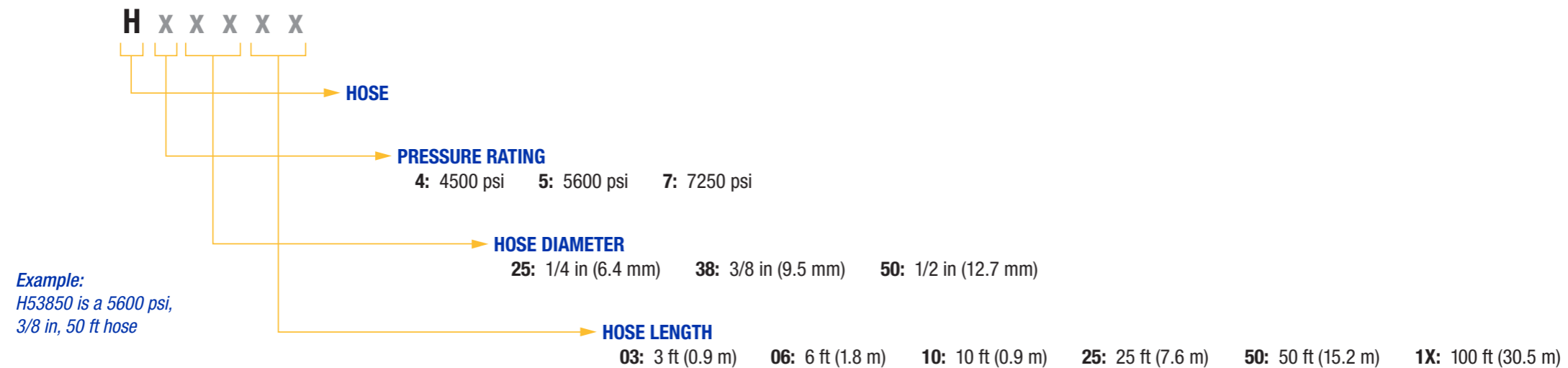


# ► Parts & Accessories Ordering Information

## King Sprayer Accessories

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

## Xtreme-Duty Airless Hose & Adapters *(for adding additional spray line)*



## Hex Reducing Nipples *(for adapting hoses together)*

<b>164672</b>	7250 psi (500 bar, 50 MPa), 3/8 npt (m), 1/4 npsm, 1 3/8 in	<b>158491</b>	7400 psi (510 bar, 51 MPa), 1/2 npt (m), 1/2 npt (m), 1 5/8 in
<b>156849</b>	7250 psi (500 bar, 50 MPa), 3/8 npt (m), 3/8 npt (m), 1 1/2 in	<b>159239</b>	7400 psi (510 bar, 51 MPa), 1/2 npt (m), 3/8 npt (m), 1 5/8 in
<b>162449</b>	7400 psi (510 bar, 51 MPa), 1/2 npt (m), 1/4 npt (m), 1 5/8 in	<b>162453</b>	7500 psi (517 bar, 51.7 MPa), 1/4 npt (m), 1/4 npt (m), 1 1/5 in



## ► **Parts & Accessories Ordering Information** – *Continued*

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### **XTR Guns** (for additional guns)

#### *Spray Guns – 5000 psi (345 bar, 34 MPa)*

<b>XTR502</b>	XTR-5, oval insulated handle, four-finger trigger, HD RAC tip
<b>XTR503</b>	XTR-5, oval insulated handle, two-finger trigger, HD RAC tip
<b>XTR504</b>	XTR-5, round handle, four-finger trigger, HD RAC tip
<b>XTR505</b>	XTR-5, round handle, two-finger trigger, HD RAC tip

#### *Spray Guns – 7250 psi (500 bar, 50 MPa)*

<b>XTR702</b>	XTR-7, oval insulated handle, four-finger trigger, XHD RAC tip
<b>XTR703</b>	XTR-7, oval insulated handle, two-finger trigger, XHD RAC tip
<b>XTR704</b>	XTR-7, round handle, four-finger trigger, XHD RAC tip
<b>XTR705</b>	XTR-7, round handle, two-finger trigger, XHD RAC tip

### **Heater Kits** (to reduce viscosity and improve cure times)

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<b>17V573</b>	Kit, Heater Installation. Includes hardware for mounting any Viscon HP or HF fluid heater to a King Heavy-Duty cart.
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### **Viscon HP Fluid Heaters**

<b>245848</b>	Hazardous location, 120 VAC single phase, 2300 watts, 19.2 amps
<b>245862</b>	Hazardous location, 200 VAC single phase, 4000 watts, 20 amps
<b>245863</b>	Hazardous location, 240 VAC single phase, 4000 watts, 16.7 amps
<b>246254</b>	Hazardous location, 380 VAC single phase, 4000 watts, 10.5 amps
<b>245864</b>	Hazardous location, 480 VAC single phase, 4000 watts, 8.3 amps

### **Viscon HF Fluid Heaters** (Cleanable)

<b>24W248</b>	Hazardous location, 240 VAC single phase, 5400 watts, 22.5 amps
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### **Service Manuals online at [www.graco.com](http://www.graco.com)**

<b>3A5422</b>	King sprayers with XL 3400 or XL 6500 Air Motors - manual 3A5422
<b>334645</b>	King sprayers with XL 10000 Air Motor - manual 334645
<b>3A5423</b>	XL 3400, XL 6500 Motor Parts - manual 3A5423

<b>334644</b>	XL 10000 Motor Parts - manual 334644
<b>311762</b>	Xtreme Lower Parts & Repair Kits - manual 311762
<b>311762</b>	Ceramic ball check kits - manual 311762



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## Graco Has You Covered

Facilities Worldwide for Global Support



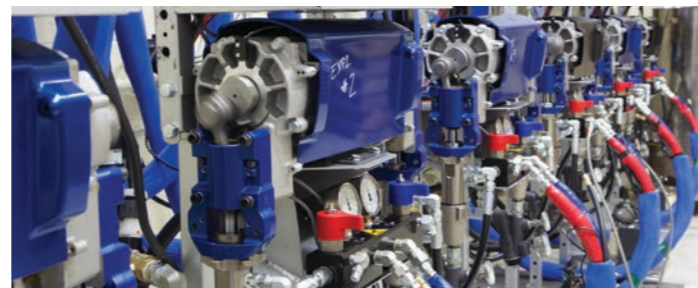
### Quality First

At Graco we pride ourselves on providing best-in-class products. Engineered solutions are manufactured in our own facilities, with the highest standards in the industry. We provide you with world-class customer support and expertise to help solve your application challenges.



### Global Reach

Graco has facilities across the globe to provide you with the products and service you need, where you live. Plus, Graco has dedicated field experts in all areas of the world to support the products we sell.



### Product Capabilities

Graco has a broad range of products that are engineered and tested to perform in the harshest environments so you can be certain your equipment is protected and working at peak performance.

➔ **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.