



# Airless Spray Equipment

For Single-Component Protective Coatings



PROVEN QUALITY. LEADING TECHNOLOGY.

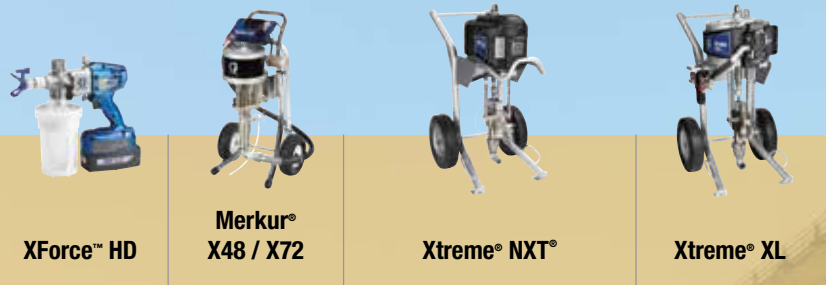
# Graco Has You Covered

## No matter what the application, Graco has the solution

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.

## Reduce your cost of ownership with Graco

Rugged, durable and dependable, Graco sprayers are built to last. They can easily handle the industry's toughest high solids, 100% solids and solvent-free coatings—even in the most severe conditions. Because Graco pumps are constructed with long-lasting parts and the highest quality materials, you gain productivity and spend less downtime on maintenance. Which means you can complete your projects faster and more efficiently.



### HOW TO CHOOSE YOUR SPRAYER

|  | <b>XForce™ HD</b>        | <b>Merkur® X48 / X72</b>                            | <b>Xtreme® NXT®</b>      |                        | <b>Xtreme® XL</b>  |
|--|--------------------------|---|--------------------------|------------------------|--|
| <b>HOW LARGE IS YOUR PROJECT?</b><br>Typical Applications*                               | Touch-up and spot repair | Smaller projects that require power and portability | Medium to large projects | Large projects         | Large projects that require continuous duty or multi-gun |
| <b>WHAT IS THE REQUIRED MATERIAL OUTPUT?</b><br>Output Range at 60 Cycles/min, gpm (lpm) | .09–.67<br>(.33–2.54)    | .8–1.2<br>(3.0–4.5)                                 | 1.5–3.4<br>(5.7–12.9)    | 2.3–4.6<br>(4.6–17.4)  | 3.4–6.7<br>(12.9–25.4)                                   |
| <b>WHAT IS THE DUTY CYCLE OF THE SPRAYER?</b><br>Production                              | Touch-up                 | Low–Med   | Med–High                 | High                   | Very High  |
| <b>HOW MANY CREW MEMBERS CAN SPRAY FROM ONLY ONE UNIT?</b>                               | 1                        | 1   | 1                        | 1–2                    | Multiple 1–6**   |
| Motor Type   | HD Brushless             | NXT 1800  | NXT 3400                 | NXT 6500               | XL 10000   |
| Motor Diameter, in (mm)  | N/A                      | 7.5<br>(190)  | 7.5<br>(190)             | 10.375<br>(263)        | 13<br>(330)  |
| Motor Displacement, cc/stroke  | N/A                      | 1800  | 3400                     | 6500                   | 10330  |
| Working Pressure, psi (bar)  | 1000–4000<br>(69–276)    | 4800, 7200<br>(331, 496)                            | 3150–7250<br>(217–496)   | 4550–7250<br>(314–496) | 4800–7250<br>(331–496)                                   |

\* 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.

## A new Graco powerhouse for high-volume projects

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



### Add the new Graco Xtreme XL to your equipment lineup

- Higher output per cycle means less total cycles for any given job—which means less wear and tear on pump components, and ultimately, less downtime and maintenance expense for you.
- The high output, high efficiency 10,000 cc XL Air Motor lets you use multiple guns with almost no perceivable pulsation. Multiple guns get the job done faster, which is better for your bottom line.
- The Xtreme XL eliminates non-restartable icing stalls for more uptime. External air passages are isolated from cold exhaust air and warmed from the warmer ambient air.

# Xtreme® XL Series

## The largest, most powerful air motor Graco has ever built

Designed with the new XL Air Motor, the Xtreme XL Sprayer can run up to six guns in a high-output environment with virtually no pulsation or pattern fluctuation. The efficient design includes advanced features that ensure superior performance, even in oily, dirty and wet air environments.



### Exposed Poppets

- Easy access for service and troubleshooting

### 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

### Manual Shuttle Override Button

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

### External Pilot Lines

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

### 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

- Field-proven
- Easy to maintain
- Quick knockdown

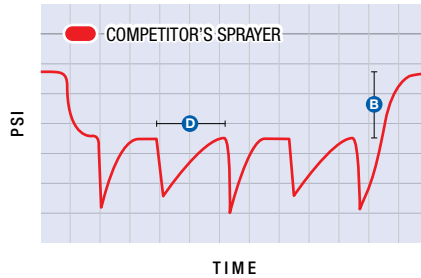
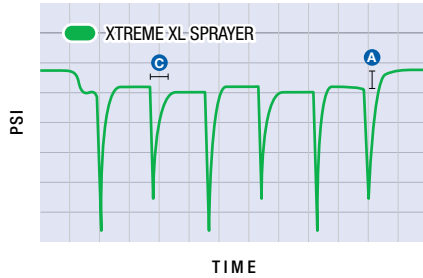
| XL SPRAYER SPECIFICATIONS |  | XL45*              | XL70               | XL80               | XL95               |
|---------------------------|--|--------------------|--------------------|--------------------|--------------------|
|                           | Output per cycle (cc)                      | 430                | 290                | 250                | 220                |
|                           | Maximum Working Pressure, psi (bar, MPa)   | 4800 (330.9, 33.1) | 7250 (499.9, 49.9) | 7250 (499.9, 49.9) | 7250 (499.9, 49.9) |
|                           | Maximum Air Input Pressure, psi (bar, MPa) | 100 (6.9, .69)     | 100 (6.9, .69)     | 88 (6.1, .61)      | 76 (5.2, .52)      |
|                           | Output at 60 Cycles/min gpm (lpm)          | 6.7 (25.4)         | 4.6 (17.4)         | 4 (15.1)           | 3.4 (12.9)         |

\* Uses Dura-Flo™ lower

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

## 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

## Ordering Information

### PACKAGES

**XLXX**

- Product Identifier**  
XL=Xtreme XL Sprayer
- Package Ratio**  
45: 10,000cc/430 lower  
70: 10,000cc/290 lower
- Mount Type**  
H: Heavy-duty cart
- Package**  
1: Bare sprayer, no hopper  
2: With hose and gun, no hopper  
3: With hose, gun and hopper  
4: Bare sprayer, no filter

*Example:*  
XL45H2 is a 45:1, heavy-duty, hose and gun (no hopper)

*Notes:*  
1. Wall mount systems are only available as bare sprayer – package #1.  
2. Complete packages sold with XTR gun, 50ft x 3/8 hose and 6ft x 1/4 whip hose, 519 tip.

### PUMPS

**PLXXC**

- Product Identifier**  
PL=Xtreme XL Pump
- Pump Ratio**  
45: 10000cc motor / 430 lower  
70: 10000cc motor / 290 lower  
80: 10000cc motor / 250 lower  
95: 10000cc motor / 220 lower
- Lower Material**  
C: Carbon steel
- Filter**  
1: No built-in filter  
2: Built-in filter

*Example:*  
PL70C2 is a 70:1 with built-in filter

## Heavy-fluid, high pressure spray packages

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 XL70 Heavy-fluid\* spray package

24X594 XL80 Heavy-fluid\* spray package

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

## Optional Accessories

24X570\* 10 gal (37.8 l), stainless steel hopper with fittings for mounting

16U536 10 gal (37.8 l), stainless steel hopper without fittings

24X547 Hopper adapter kit for XL45

262826 Gun splitter

24X553 3/4 in hose to high flow gun kit

24X550 DataTrak Control with runaway solenoid

24X552 DataTrak Control without runaway solenoid

\*Adapts to XL Sprayers only

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

# Xtreme® NXT Series

## Long-lasting durability for high-performance spraying

The Xtreme NXT series of airless sprayers are built to handle the toughest protective coatings and corrosion control applications. The Xtreme NXT also provides a smooth, rapid changeover, which minimizes pulsation, decreases user fatigue and achieves a more consistent finish. It offers a modular design for convenient maintenance, a de-icing feature and reduced noise level.

### NXT Air Motor

- Modular design for easier maintenance
- Rugged body armor won't rust or dent
- Highest technology air motor on the market

### DataTrak™ Control

- Runaway protection
- Pump diagnostics
- Material usage
- Optional accessory



### Modular Air Valve

- De-ice control reduces icing
- Up to 50% quieter than previous models
- Modular air valve
  - Reduces stalling
  - Easy-to-repair

### Quick Disconnect

- Makes for easier service

### Graco Xtreme Pump Lower with Built-In Filter

- Lower cost of ownership
- Longer-lasting rod with Chromex™ coating
- Quick knockdown



| XTREME SPRAYER SPECIFICATIONS             | Xtreme NXT 3400 Packages |                     |                     |                     | Xtreme NXT 6500 Packages |                     |                     |                     |                     |
|---|--------------------------|---------------------|---------------------|---------------------|--------------------------|---------------------|---------------------|---------------------|---------------------|
|   | X30                      | X40                 | X55                 | X80                 | X45                      | X50                 | X60                 | X70                 | X90                 |
| Output per cycle                          | 220cc                    | 180cc               | 115cc               | 85cc                | 290cc                    | 250cc               | 220cc               | 180cc               | 145cc               |
| Motor Size                                | NXT 3400                 | NXT 3400            | NXT 3400            | NXT 3400            | NXT 6500                 | NXT 6500            | NXT 6500            | NXT 6500            | NXT 6500            |
| Maximum Working Pressure psi (bar, MPa)   | 3150<br>(217, 21.7)      | 3800<br>(262, 26.2) | 5950<br>(410, 41.0) | 7250<br>(500, 50.0) | 4550<br>(313, 31.3)      | 5200<br>(359, 35.9) | 6000<br>(417, 41.7) | 7250<br>(500, 50.0) | 7250<br>(500, 50.0) |
| Maximum Air Input Pressure psi (bar, MPa) | 100<br>(7, 0.7)          | 100<br>(7, 0.7)     | 100<br>(7, 0.7)     | 100<br>(7, 0.7)     | 100<br>(7, 0.7)          | 100<br>(7, 0.7)     | 100<br>(7, 0.7)     | 100<br>(7, 0.7)     | 80<br>(5.5, .55)    |
| Output at 60 Cycles/min gpm (lpm)         | 3.4 (12.9)               | 2.9 (11)            | 2.0 (7.6)           | 1.5 (5.7)           | 4.6 (17)                 | 4.0 (15.2)          | 3.4 (12.9)          | 2.9 (11)            | 2.3 (8.7)           |

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

## Ordering Information

### PACKAGES

**X X X X X X X**

**Product Identifier**  
X=Xtreme Sprayer

**Package Ratio**  
3400 Packages  
30: 3400cc motor/220cc lower  
40: 3400cc motor/180cc lower  
55: 3400cc motor/115cc lower  
80: 3400cc motor / 85cc lower

6500 Packages  
45: 6500cc motor/290cc lower  
50: 6500cc motor/250cc lower  
60: 6500cc motor/220cc lower  
70: 6500cc motor/180cc lower  
90: 6500cc motor/145cc lower

**Motor Type**  
D: De-icing    L: Low noise

**Mount Type**  
H: Heavy-duty cart    L: Lightweight cart    W: Wall-mount

**Package/DataTrak™**  
1: Complete package with DataTrak    5: Complete hopper package with DataTrak  
2: Bare package with DataTrak    6: Complete hopper package, no DataTrak  
3: Complete package, no DataTrak    7: Complete package, no DataTrak, no built-in fluid filter\*  
4: Bare package, no DataTrak

*Example: X46DH2 is a 46:1, De-Ice, heavy-duty, bare package with DataTrak*

Notes: Packages sold with XSeal\_LTH packings only. Packages sold with built-in filter only. Complete packages sold with XTR™ gun, 50 ft x 3/8 hose and 6 ft x 1/4 whip hose. Wall-mount packages are only available bare, but include 10 ft suction hose with 55 gal suction tube.

\*Only available on X45, X60 or X70 De-ice, heavy-duty or lightweight cart packages.

### PUMPS

**P X X X C X**

**Product Identifier**  
P=Xtreme Pump

**Pump Ratio**  
3400 Packages  
30: 3400cc motor/220cc lower  
40: 3400cc motor/180cc lower  
55: 3400cc motor/115cc lower  
80: 3400cc motor / 85cc lower

6500 Packages  
45: 6500cc motor/290cc lower  
50: 6500cc motor/250cc lower  
60: 6500cc motor/220cc lower  
70: 6500cc motor/180cc lower  
90: 6500cc motor/145cc lower

**Motor/DataTrak**  
D: De-icing: None    L: Low noise: None  
E: De-icing: DataTrak    M: Low noise: DataTrak

**Lower Material**  
C: Carbon steel

**Filter/Air Controls**  
1: No built-in filter, no air controls    3: No built-in filter, air controls  
2: Built-in filter, no air controls    4: Built-in filter, air controls

*Example: P70DC2 is a 70:1 De-Ice, with built-in filter and no air control*

Note: Pumps sold with XSeal\_LTH packings only.

## Special Package Configurations

### Xtreme Zinc Packages

Special zinc circulation system keeps particles in suspension, making zinc-coating applications easier.

Has standard Xtreme lower with no filter and de-icing NXT Air Motor.



**Pictured: Xtreme Zinc Package with Circulation and Heavy-Duty Cart**

- 287971 25:1 Heavy-Duty Cart Zinc Package, no hose or gun
- 287972 40:1 Heavy-Duty Cart Zinc Package, no hose or gun
- 287973 25:1 Heavy-Duty Cart Zinc Package (Silver Spray Gun 238591 and Hoses)
- 287974 40:1 Heavy-Duty Cart Zinc Package (Silver Spray Gun 238591 and Hoses)

### Xtreme Air Assisted Packages

Combines airless atomization speed with the fine finish of air spray. Ideal for high production, smooth finish applications. Includes De-Icing NXT Air Motor with DataTrak.

- 287975 30:1 Heavy-Duty Cart AA Package (G40 Spray Gun and Hoses)
- 287976 40:1 Heavy-Duty Cart AA Package (G40 Spray Gun and Hoses)

### High Flow Dura-Flo Packages

Include De-Icing NXT Air Motor.

- 287980 23:1 Sprayer Package with a Dura-Flo 580 cc lower plus DataTrak (Silver Spray Gun and Hoses)
- 287979 23:1 Sprayer Package with a Dura-Flo 580 cc lower
- 287981 32:1 Sprayer Package with a Dura-Flo 430 cc lower (Silver Spray Gun and Hoses)

### Packages without Lowers

- XN3DH2 NXT 3400 De-Icing with DataTrak on a Bare Heavy Duty-Cart \*
- XN3DH4 NXT 3400 De-Icing on a Bare Heavy-Duty Cart \*
- XN3DL2 NXT 3400 De-Icing with DataTrak on a Bare Lightweight Cart \*
- XN3DL4 NXT 3400 De-Icing on a Bare Lightweight Cart \*
- XN6DH2 NXT 6500 De-Icing with DataTrak on a Bare Heavy-Duty Cart \*
- XN6DH4 NXT 6500 De-Icing on a Bare Heavy-Duty Cart \*
- XN6DL2 NXT 6500 De-Icing with DataTrak on a Bare Lightweight Cart \*
- XN6DL4 NXT 6500 De-Icing on a Bare Lightweight Cart \*
- 247312 Cart adapter for NXT2200 Air Motor

### Carts

- 287919 Lightweight base cart
- 287884 Heavy-duty base cart

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

# Merkur® X48 and X72

## Easy portability for areas requiring high solids coatings

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

### 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

### 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

### Quick Knock-Off Suction Hose

- Large 1 in x 6 ft (25.4 mm x 1.8 m) suction hose

### Lightweight and Portable

- Weighs only 99 lb (45 kg)



| PRODUCT SPECIFICATIONS |  | Merkur X48        | Merkur V72        |
|------------------------|--|-------------------|-------------------|
|                        | Maximum Fluid Working Pressure, psi (bar, MPa) | 4800 (330, 33)    | 7200 (500, 50)    |
|                        | Recommended Tip Size                           | Up to 0.025       | Up to 0.021       |
|                        | Fluid Flow at 60 Cycles/min gpm (lpm)          | 1.2 gpm (4.5 lpm) | 0.8 gpm (3.0 lpm) |
|                        | Pump Weight, lb (kg)                           | 99 (45)           | 99 (45)           |

\* Varies by coating and duty cycle

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





## Ordering Information

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

### Accessories

- 16U924 Repair kit, X72 fluid section
- 16U925 Repair kit, X48 fluid section

- 16V583 Fluid filter kit, 7250 psi (500 bar).  
Includes 60 mesh filter element.
- 224459 60 mesh fluid filter element, 2-pack
- 224468 100 mesh fluid filter element, 2-pack
- 106149 Air line filter kit, ½ in npt (fbe), 20 micron (requires fittings)
- 24A576 Optional DataTrak™ Kit

*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*

# XForce™ HD Heavy-Duty

## Optimized for Protective and Marine Coatings

The XForce HD heavy-duty cordless sprayer is the industry's first cordless airless sprayer designed to spray the toughest protective coatings and corrosion control materials. It's an easy solution for touch-ups, spot repairs or small areas.

### HD Brushless Motor

- Delivers the highest performance and longest life
- 1000–4000 psi (69-276 bar)

### FullFlo Pressure Control

- Fully adjustable to achieve the finish you need
- Optimized for both thick and thin coatings
- Easy to read dial

### Standard RAC X™ SwitchTip™ and Guard

- Accepts standard Graco RAC tips, guards and extensions
- Easy Out™ Tip Filter keeps spraying with fewer tip plugs
- Supports .009–.025 tips

### Easy Out Tip Filters

- Designed to decrease tip plugging
- Available in 30, 60 or 100 mesh sizes
- Thread-less design for easy removal

### Spray-N-Throw Cup System

- Disposable 44 oz. (1.3 l) lid and liner system virtually eliminates cleanup
- Sealed cup protects material while minimizing spills
- Spray at an angle—even upside down

### 28V High Power Lithium-Ion Power Packs

- Designed for maximum power to spray the most demanding materials
- Able to spray up to 1 gal (3.78 l) per battery charge

### Ground Strap

- 25 ft (7.6 m)



## Sprayable materials

- High solids epoxy primers and coatings—up to 100% solids content
- Solvent-borne coatings
- Water-borne coatings
- Fire retardant coatings
- High solids polyurethane top coatings
- Plural component coatings
- Elastomerics



## Ordering Information

165654 Complete kit with RAC X 517 tip and 30 mesh filter

**For more than 40 years**, protective coatings contractors have placed their trust in the outstanding quality and durability of Graco equipment. Here are just a few of the reasons why.



## Superior support and responsive service

With a global distribution network, you can count on quick turnaround times for replacement parts and service. With Graco's authorized distributors, you have access to experts who understand the unique needs of your business.

In addition, Graco has close working relationships with many of the world's leading manufacturers and material suppliers. With Graco, you can expect responsive service and support, as well as the accuracy and reliability you demand from your manufacturing equipment.



## Made with pride

Graco systems are designed, manufactured and built in the United States with global components to Graco's exacting standards. Graco makes significant investments in product development and precision manufacturing to ensure that the products you count on continue to evolve and meet the demands you face in the future.



## Training is also available

Graco offers valuable hands-on learning and equipment training at its training centers in the U.S., Belgium and Shanghai, China. Convenient online training courses are also available.

## Trust genuine Graco parts and accessories for all your spray equipment

When you need replacement parts, you could purchase cheaper alternatives. But why risk it? Off-the-shelf parts may hinder performance and possibly even damage your Graco equipment. You invest in Graco equipment because it is superior quality. Graco equipment is designed as a unified system, not as a collection of stand-alone parts. Every part is designed with a careful eye toward the parts it will interact with, and adjusted accordingly. Protect your investment and your future. Trust only genuine Graco parts. For more information on Parts & Accessories for Protective Coatings High Pressure Equipment, refer to brochure 349329.



## ABOUT GRACO

### PROVEN QUALITY. LEADING TECHNOLOGY.

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

### MAILING ADDRESS

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## SALES/ DISTRIBUTION/ SERVICE

Call today for product information or to request a demonstration.

**877-84GRACO (1-877-844-7226)** or visit us at [www.graco.com](http://www.graco.com).

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