



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 line up 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.



XForce™ HD



**Merkur™
X48 / X72**



Xtreme™ NXT™



Xtreme™ XL

HOW TO CHOOSE YOUR SPRAYER

HOW LARGE IS YOUR PROJECT? <i>Typical Applications*</i>	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
WHAT IS THE REQUIRED MATERIAL OUTPUT? <i>Output Range at 60 Cycles/min, lpm (gpm)</i>	0.33-2.54 (0.09-.67)	4.5-3.0 (1.2-0.8)	5.7-12.9 (1.5-3.4)	8.7-17.4 (2.3-4.6)	12.9-25.4 (3.4-6.7)
WHAT IS THE DUTY CYCLE OF THE SPRAYER? <i>Production</i>	Touch-up	Low -Med	Med -High	High	Very High
HOW MANY CREW MEMBERS CAN SPRAY FROM ONLY ONE UNIT?	1	1	1	1-2	Multiple 1-6**
Motor Type	HD Brushless	NXT 1800	NXT 3400	NXT 6500	XL 10000
Motor Diameter, mm (in)	N/A	190 (7.5)	190 (7.5)	263 (10.375)	330 (13)
Motor Displacement, cc/stroke	N/A	1800	3400	6500	10330
Working Pressure, bar (psi)	69-276 (1000-4000)	330-500 (4800, 7200)	164-500 (2375-7250)	310-500 (4550-7250)	324-500 (4700-7250)

* 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 line up



- 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 up time. 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
- 330 mm (13 in) 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 Lower

- Field-proven
- Easy to maintain
- Quick knockdown

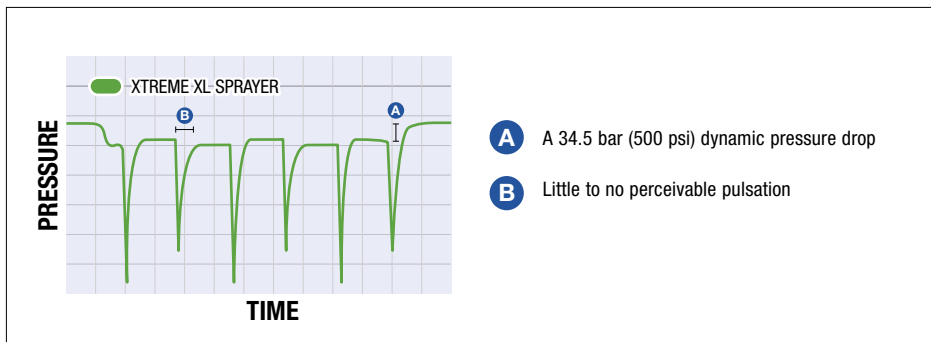
XL SPRAYER SPECIFICATIONS		XL45*	XL70	XL80	XL95
	Output per cycle (cc)	430	290	250	220
	Maximum Working Pressure, bar (psi, MPa)	330 (4800 , 33)	500 (7250 , 50)	500 (7250 , 50)	500 (7250 , 50)
	Maximum Air Input Pressure, bar (psi, MPa)	6.9 (100 , .69)	6.9 (100 , .69)	6.1 (88 , .61)	5.2 (76 , .52)
	Output at 60 Cycles/min lpm (gpm)	25.4 (6.7)	17.4 (4.6)	15.1 (4)	12.9 (3.4)

* Uses Dura-Flo™ lower

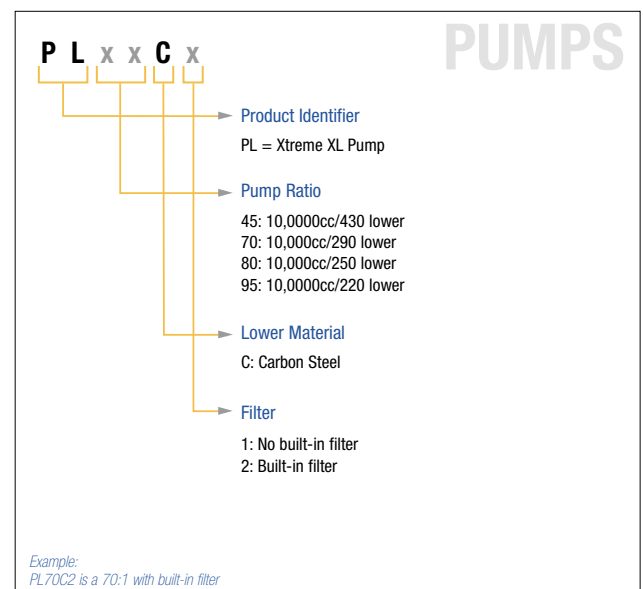
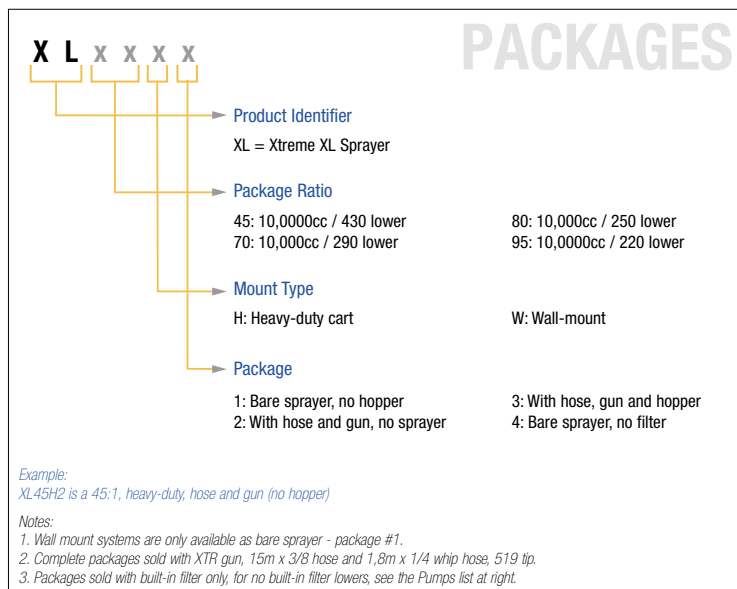
For more information on Parts & Accessories for High Pressure Protective Coatings Equipment, see brochure 349329.

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.



Ordering Information



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 38L (10 gal) SST hopper, no fluid filter, ¾ in. outlet check valve, ¾ in. x 15m (50 ft.) hose, ½ in. x 7.6m (25 ft) 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* 37.8 l (10 gal), stainless steel hopper with fittings for mounting

16U536 37.8 l (10 gal), 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

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 (Option)

- 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

- Enables easier service

Graco Xtreme Pump Lower with Built-In Filter

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



	Xtreme NXT 3400 Packages				Xtreme NXT 6500 Packages				
	X30	X40	X55	X80	X30	X50	X60	X70	X90
Output per cycle (cc)	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 bar (psi, MPa)	217 (3150 , 21.7)	262 (3800 , 26.2)	410 (5950 , 41.0)	500 (7250 , 50.0)	313 (4550 , 31.3)	359 (5200 , 35.9)	417 (6000 , 41.7)	500 (7250 , 50.0)	500 (7250 , 50.0)
Maximum Air Input Pressure bar (psi, MPa)	7 (100 , 0.7)	7(100 , 0.7)	7(100 , 0.7)	7(100 , 0.7)	7(100 , 0.7)	7(100 , 0.7)	7(100 , 0.7)	7(100 , 0.7)	7 (100 , 0.7)
Output at 60 Cycles/min lpm (gpm)	12.9 (3.4)	11 (2.9)	7.6 (2.0)	5.7 (1.5)	17 (4.6)	15.2 (4.0)	12.9 (3.4)	11 (2.9)	8.7 (2.3)

Ordering Information

PACKAGES

Product Identifier
X = Xtreme Sprayer

Package Ratio

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

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

Motor Type
D: De-icing

Mount Type
H: Heavy-duty cart
L: Lightweight cart

Package / Data Trak™
1: Complete package with Data Trak
2: Bare package with Data Trak
3: Complete package, no Data Trak
4: Bare package, no Data Trak

L: Low noise

W: Wall-mount

5: Complete hopper package with Data Trak
6: Complete hopper package, no Data Trak
7: Complete package, no Data Trak, no built-in fluid filter*

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

Notes: Packages sold with XSeal_LTH packings only. Packages sold with built-in filter only. Complete packages sold with XTR™ gun, 15m x 3/8 hose and 1,8m x 1/4 whip hose. Wall-mount packages are only available bare, but include 1,8m suction hose with 208L suction tube.

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

PUMPS

Product Identifier
P = Xtreme Pump

Pump Ratio

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

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

Motor / Data Trak
D: De-icing: None
E: De-icing: Data Trak

Lower material
C: Carbon Steel

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

L: Low noise: None
M: Low noise: Data Trak

3: No built-in filter, air controls
4: Built-in filter, air controls

Example:
P700C2 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.

- 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

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

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

CARTS

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



Xtreme Zinc Package with Circulation and Heavy-Duty Cart

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 500 bar (7200 psi, 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 25.4 mm x 1.8 m (1 in x 6 ft) suction hose

Lightweight and Portable

- Weighs only 45 kg (99 lb)



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

* 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, 500 bar (7250 psi). 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, 1/2 in npt (fbe), 20 micron (requires fittings)
- 24A576 Optional DataTrak™ Kit

Complete package includes XTR gun with 519 tip and 3/8 in x 7.6 m (25ft) hose, 1.8 m (6ft) 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
- 69-276 bar (1000-4000 psi)

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 1.3 l (44 oz.) 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 3.78l (1 gal) per battery charge

Ground Strap

- 7.6 m (25 ft)



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

Plural Component Equipment

Graco XP™ Plural-Component Sprayers

High-pressure for high-solids coatings up to 500 bar (7250 psi)

The Graco XP70 is designed to pump, mix and atomize high-viscosity materials with superior results. In addition, the XP70's design allows you to gravity feed, which may eliminate the need for feed pumps, saving you money.

Typical Materials

Environmentally friendly high solids coatings, with little or no solvent - High viscosity epoxy coatings (up to 100% solids content) - Epoxies - Urethanes



Graco XP-h™ Hydraulic Plural-Component Sprayers

For hydraulic power, performance and cost-saving efficiencies

Hydraulic systems are the choice of spraying professionals who want to reap the benefits of the latest spraying technologies and add productivity to boost their bottom line.

Built with patented XP ratio technology, the Graco XP-h is ideal for truck, palletized, trailer or flatbed systems that have on-board hydraulic power*. The system's hydraulic motor has been optimized and rated to match the pressure capabilities of the NXT 6500 air motor used on Graco XP50 and XP70 sprayers.

Typical Materials

Protective coatings - Epoxies - Urethane materials - OEM traffic marking applications



Graco™ XM Series

Boost your productivity on demanding high-volume, plural-component jobs

Graco XM Plural-Component Sprayers are designed to spray the toughest plural-component materials, with the assurance that you're spraying accurately and on-ratio. Ideally suited for marine, bridge, rail and wind energy applications, each Graco XM is fully configurable - simply start with a base unit and select additional components required for your application.

Typical Materials

Stainless steel - acetal - polyethylene - nylon - polypropylene - carbide - polyurethane - aluminium - solvent-resistant o-rings





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.

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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.

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