



# XM Plural-Component Sprayers

High-Pressure Equipment for Protective Coatings



PROVEN QUALITY. LEADING TECHNOLOGY.

# Graco™ XM Series. Advanced. Accurate. Affordable.

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

## Advanced technology and accurate ratio control

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.

### Intuitive User Controls

- Adjustable ratio control, 1:1 to 10:1
- Provides real-time display of ratio for ultimate spraying control
- USB drive for data reporting

### Heavy-Duty Carbon Steel Frame

- Built-in pallet rack for easy transport

### Material Hoppers

- Side or rear-mount
- Choose 76 or 26 liter (20-gal or 7-gal)
- 26 liter hopper (shown) is optimized for gravity feed

### Mix Manifold

- Provides precision mixing and accurate ratio control, even at high flow rates
- Choose standard or remote mount

### Fluid Return Lines

- Easy to control circulation speed
- Quickly change between materials or empty fluid hoppers

### Mounting Bracket

- Supports up to three fluid heaters (A, B and hose heat)

### XTR-7 Gun

- System supports multiple spray guns for added productivity
- Base unit includes gun, hose and static mixers



Graco XM Plural-Component Sprayer (base model with 26 liter hoppers)\*

# Build a System for Your Application

Fully configurable – simply select the accessories required for your material and application

## More flexibility means more affordability

With Graco XM Plural-Component Sprayers, you have the flexibility to select the essential equipment on your system – no more, no less – to complete your jobs accurately and reliably. If your application does not require heaters, feed pumps or hoppers, this flexibility may provide you with a lower cost option. The components shown below are available as options on your configured unit. Some assembly is required.

### Junction Box

- Conveniently houses switches and breakers for heaters
- Not approved for explosive atmospheres

### Hose Rack Kit

### Viscon™ Fluid Heaters

- Choose standard or model approved for explosive atmospheres

### Rear Mounted Hoppers



### Transfer pumps

- Choose Graco T2 or Monark™ 5:1

### Twistork™ Agitator

- Helps maintain proper material consistency

### Hopper Heater

- Excellent for highly viscous materials
- Standard 240-volt, 1500 watt immersion heaters
- Use optional circulation kit (256273\*) for explosive atmospheres

\*Viscon fluid heater approved for use in explosive atmospheres must be ordered separately

### Caster Kit

Graco XM Plural-Component Sprayer (base model with 76 liter hoppers plus options)\*\*

Visit [www.graco.com/xm](http://www.graco.com/xm)

# Performance You Can Trust

Advanced technology that boosts your productivity

## Packed with features

Whether your application requires a basic machine or one that is fully loaded, the Graco XM provides the technology and performance you need to get the job done faster and more efficiently than ever before.



## Easy to use controls

The user interface on the Graco XM is intuitive and simple to use. It provides two display modes: “set-up” for entering parameters and a basic “run” mode for everyday operation. The user interface monitors and tracks pressure, temperature and flow, and allows you to program maintenance schedules as well.

With a conveniently located USB port, you can easily access and download historical spraying data.

## Precise mixing and ratio assurance

Material mixing reaches a new level of precision due to new dosing technology. With the Graco XM, the minor component (or side B material) is injected at high pressure into the major material (side A). Advanced sensors allow pumps to compensate for pressure fluctuations, resulting in accurate, on-ratio mixing for better yield and less waste.



Remote Mix Manifold

Choose standard, frame-mounted mix manifold or remote mix manifold; both include pressure gauge that displays fluid output pressure.



Standard Mix Manifold

# Technical Specifications & Configurable Options

Everything you need to make an informed decision

## Technical Specifications

### Dimensions

Base Unit (no hoppers) .....	99 x 178 x 97 cm (39W x 70H x 38D in)
Side mounted hoppers .....	252 x 178 x 97 cm (99W x 70H x 38D in)
Rear mounted hoppers .....	145 x 178 x 165 cm (57W x 70H x 65D in)

**Mix ratio range** ..... 1:1 to 10:1 (in 0.1 increments)

**Ratio tolerance range** ..... +/- 5%

**Fluid filtration** ..... 60 mesh (238 micron standard)  
(not included on some models)

### Flow rates

Minimum ..... 0.95 lpm (1 qt/min)\*

Maximum ..... 11.4 lpm (3 gpm)\*

*\*Actual flow rates vary by material type*

**Air inlet** ..... 3/4 npt (f)

**Fluid inlets without feed kits** ..... 1-1/4 npt (m)

### Max mixed fluid working pressure

50:1 ..... 358 bar (35.8 MPa - 5200 psi)

70:1 ..... 434 bar (43.4 MPa - 6300 psi)

**Air supply pressure range** ..... 3.5 to 10.3 bar (0.35 to 1.0 MPa - 50-150 psi)

### Max pump air set pressure

50:1 ..... 7.0 bar (0.7 MPa - 100 psi)

70:1 ..... 6.2 bar (0.62 MPa 90 psi)

**Max pump inlet fluid pressure** ..... 17 bar (1.7 MPa - 250 psi)

**Max air consumption at 7.0 bar (0.7 MPa, 100 psi)** ..... 70 scfm/gpm  
(0.52 m<sup>3</sup>/lpm)

Operating ..... 0° to 54°C (32° to 130°F)

Storage ..... -1° to 71°C (30° to 160°F)

### Weight

Base machine ..... 337 kg (742 lb)  
(No heaters, hoppers or junction box)

Fully configured ..... 703 kg (1550 lb)  
(Includes heated hoppers, feed pumps, heaters and junction box)

**Sound pressure** ..... 86 dBA at 7.0 bar (0.7 MPa - 100 psi)

**Fluid viscosity range** ..... 200-20,000 cps  
(heavier viscosities can be sprayed using heat, recirculation and/or pressure feeding)

### Wetted parts

Suction tubes ..... Aluminium

Flush pump ..... Stainless steel, carbide,  
UHMWPE and PTFE

Hoses ..... Nylon

Pumps (A and B) ..... Carbon steel, alloy steel, 303, 440, 17-ph grades  
stainless steel, zinc and nickel plating, ductile iron,  
tungsten carbide, and PTFE

Metering valves ..... Carbon steel, nickel plating, carbide,  
polyethylene, leather

Manifold ..... Carbon steel, nickel and zinc plating, carbide,  
302, 303 stainless steel, PTFE, UHMWPE, tungsten carbide

Mixer ..... Stainless steel housing with polyplas elements

Spray gun ..... Stainless steel, acetal, polyethylene, nylon,  
polypropylene, carbide, polyurethane, aluminium, solvent-resistant o-rings

Ambient temperature range

## Configurable options loaded with features



### Hoppers

**76 l (20-gal) hoppers are:**

- Jacketed for heated water or oil
- Made of rugged, double-wall polyethylene
- Available in heated\* or standard

**26 l (7-gal) hoppers are:**

- Excellent for high ratio applications



### Viscon Fluid Heater\*

- 240 VAC, 4000 watts
- Other voltage options sold separately



### Transfer Pumps\*

- Feeds material to main pumps
- Recommended for highly viscous materials
- Easily mounts to 76 l (20-gal) hoppers or drums
- Choose Graco T2 or Monark 5:1 transfer pump



### Twistork Agitators

- Helps maintain proper material consistency
- Easily mounts on 76 l (20-gal) hoppers or drums
- Approved for use in explosive atmospheres

\* Models approved for explosive atmospheres are available

# Ordering Information

For genuine Graco products, see your nearest Graco distributor, or visit [www.graco.com](http://www.graco.com)

## BASE UNIT CHOICES

Select the number in front of your choice of system.

Note: All sprayers include 3/8 in x 7.6 m (25 ft), 1/4 in x 3 m (10 ft) whip, static mixers and XTR Spray Gun.

Base Unit: (Third Digit)	XM Model (hose/gun) (bar, Mpa)	Pump Filters	Remote Manifold	A Lower*	B Lower*
1	XM50	X		L250C4	L220C4
2	XM50			L250C3	L220C3
3	XM70	X		L180C4	L145C4
4	XM70			L180C3	L145C3
5	XM50	X	X	L250C4	L220C4
6	XM50		X	L250C3	L220C3
7	XM70	X	X	L180C4	L145C4
8	XM70		X	L180C3	L145C3

\*For Lower, see Manual 311762

## PART NUMBER

Use the charts on this page to find your part number.

Note: all possible configurations may not be available.

Model	Base Unit	Power/Heat	Supply
XM			

(First Two Digits) (Third Digit) (Fourth Digit) (Fifth & Sixth Digits)

## POWER AND PRIMARY HEATER CHOICES

Select the letter for your choice of kit.

Power/Heat: (Fourth Digit)	Control Box	Fluid Heaters	Junction Box	Location Category	Approvals
A	Wall power supply			NE	CE, FM, FMc
B	Wall power supply	X	X	NE	CE, FM, FMc
C	Wall power supply	X		NE	CE, FM, FMc
D	IS/ Alternator			EH	CE, FM, FMc, Ex
E	IS/ Alternator	X		EH	CE, FM, FMc, Ex

NE = Not for use in European explosive atmosphere locations or hazardous locations  
EH = For use in explosive atmospheres and hazardous locations

## SUPPLY AND CONDITIONING CHOICES

Select the two-digit number in front of your choice of kit. For no additional kit, use 00.

Supply: Fifth & Sixth Digits	Hopper Kit (76 L - 20 GAL)	Hopper Heater Kit* (240V)	Hopper Fluid Inlet Kit	Hopper Universal Mount Kit	Twistork Agitator Kit	T2 Pump Feed Kit* (on hopper)	5:1 Pump Feed Kit (in hopper)	26 L (7 GAL) Hopper & Bracket Kit (green)	26 L (7 GAL) Hopper & Bracket Kit (blue)	Drum Feed Kit* (Dual T2 and Agitator)	Drum Feed Kit (Dual 5:1 and Agitator)	Heated Hopper/ Hose Circulation Kit
00												
11	1		1	1	1			1				
13	1			1	1		1	1				
14*	1	1*	1	1	1			1				
15*	1	1*		1	1	1*		1				
16*	1	1*		1	1		1	1				
17	1		1	1	1			1				1
19	1			1	1		1	1				1
21	2		2	2	2							
23	2			2	2		2					
24*	2	2*	2	2	2							
25*	2	2*		2	2	2*						
26*	2	2*		2	2		2					
27	2		2	2	2							1
29	2			2	2		2					1
30*										2*		
31											2	
32								1	1			

\*Indicates choices not approved for explosive atmospheres

## Base Unit Includes:

- Frame
- Flush pump
- Dosing valves
- Mix manifold
- Controls
- USB port
- Xtreme Pumps
- Xtreme-Duty Hose
- Two static mixers
- XTR Gun
- Your choice of power supply
- Recirculation kit

## Airless Guns - 312145 Manual

### XTR-5 Airless Spray Gun - Maximum working pressure: 345 bar (34.5 MPa - 5000 psi)

XTR500	Round handle, four-finger trigger, no tip	XTR503	Oval-insulated handle, two-finger trigger, 519 XHD RAC tip
XTR501	Round handle, four-finger trigger, 519 flat tip	XTR504	Round handle, four-finger trigger, 519 XHD RAC tip
XTR502	Oval-insulated handle, four-finger trigger, 519 XHD RAC tip	XTR505	Round handle, two-finger trigger, 519 XHD RAC tip

### XTR-7 Airless Spray Gun - Maximum working pressure: 500 bar (50.0 MPa - 7250 psi)

XTR700	Round handle, four-finger trigger, no tip	XTR703	Oval-insulated handle, two-finger trigger, 519 XHD RAC tip
XTR701	Round handle, four-finger trigger, 519 flat tip	XTR704	Round handle, four-finger trigger, 519 XHD RAC tip
XTR702	Oval-insulated handle, four-finger trigger, 519 XHD RAC tip	XTR705	Round handle, two-finger trigger, 519 XHD RAC tip

### XHF Airless Spray Gun - Maximum working pressure: 500 bar (50.0 MPa - 7250 psi)

262854	High-flow, high-pressure gun, four-finger trigger, 429 XHD RAC tip
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## Heated Hoses - 309525 Manual

### Water Jacketed Heated Hoses - 15.2 m (50 ft), water-heated hose

24M440	3/8 in x 1/4 in (9.53 mm x 6.35 mm) 345 bar (34.5 MPa - 5000 psi)	248118	1/2 in x 1/2 in (13 mm) 500 bar (50 MPa - 7250 psi)
24M441	3/8 in x 3/8 in (9.53 mm) 345 bar (34.5 MPa - 5000 psi)	248119	3/8 in x 3/8 in (9.53 mm) 500 bar (50 MPa - 7250 psi)
24M442	1/2 in x 1/4 in (13 mm x 6.35 mm) 345 bar (34.5 MPa - 5000 psi)	248120	1/2 in x 3/8 in (13 mm x 9.53 mm) 500 bar (50 MPa - 7250 psi)
24M443	1/2 in x 3/8 in (13 mm x 9.53 mm) 345 bar (34.5 MPa - 5000 psi)	248121	3/8 in x 1/4 in (9.53 mm x 6.35 mm) 500 bar (50 MPa - 7250 psi)
24M444	1/2 in x 1/2 in (13 mm) 345 bar (34.5 MPa - 5000 psi)	24M439	1/2 in x 1/4 in (13 mm x 6.35 mm) 500 bar (50 MPa - 7250 psi)

### Electrically Heated Hoses - 15.2 m (50 ft), with FTS cable (see 309572 for hose fitting sizes and adapters)

248907	1/4 in x 3/8 in (6 mm x 10 mm) 345 bar (34.5 MPa - 5000 psi)	262728	1/2 in x 3/8 in (13 mm x 10 mm) 345 bar (34.5 MPa - 5000 psi)
248908	3/8 in x 3/8 in (10 mm) 345 bar (34.5 MPa - 5000 psi)	262730	1/2 in x 1/2 in (13 mm) 345 bar (34.5 MPa - 5000 psi)
262727	1/2 in x 1/4 in (13 mm x 5 mm) 345 bar (34.5 MPa - 5000 psi)	256876	Electric hose heat control kit. Includes XM mounting hardware (313258 Manual)

## Accessories

### Accessories Kits for XM50 and XM70

255963	76 l (20-gal) hopper (heat source not included)
256257	Hopper heater kit, 240 VAC/1500 W
256273	Hopper/hose heat circulation kit (heater not included)
256259	76 l (20-gal) hopper mounting bracket kit
256170	Hopper fluid outlet kit
256980	Remote mix manifold conversion kit
256512	Desiccant kit (for 76 l (20-gal) hoppers)
262454	Desiccant kit (for 26 l (7-gal) hoppers)
256262	Caster kit
256263	Hose rack kit
256274	Twistork agitator kit
15F028	Band heater, drum, 1000 W, 230 VAC
256275	T2 2:1 feed pump kit
256276	Monark 5:1 feed pump kit
256232	Agitator & 2:1 drum feed pump kit
256255	Agitator & 5:1 drum feed pump kit
256260	26 l (7-gal) hopper installation kit, green
24N011	26 l (7-gal) hopper installation kit, blue
256653	Lower strainer and valve kit
256433	President™ 10:1 drum feed kit
256991	Alternator conversion kit (Hazardous locations)
246477	Drum return tube/desiccant kit (requires fitting 159842)

### Viscon HP Fluid Heaters - Compatible with Graco XM junction box *Approved for explosive atmospheres*

245848	Hazardous location, 120 VAC, 2300 W, 19.2 amps
245862	Hazardous location, 200 VAC, 4000 W, 20 amps
245863	Hazardous location, 240 VAC, 4000 W, 16.7 amps

246254	Hazardous location, 380 VAC, 4000 W, 10.5 amps
245864	Hazardous location, 480 VAC, 4000 W, 8.3 amps

### Viscon HP Fluid Heaters - Compatible with Graco XM junction box *Not approved for explosive atmospheres*

245867	Non-hazardous location, 120 VAC, 2300 W, 19.2 amps
245868	Non-hazardous location, 200 VAC, 4000 W, 20.0 amps
245869	Non-hazardous location, 240 VAC, 4000 W, 16.7 amps
246276	Non-hazardous location, 380 VAC, 4000 W, 10.5 amps
245870	Non-hazardous location, 480 VAC, 4000 W, 8.3 amps

### Pump Lower Filter Screens

2-Pack	25-Pack	Description
224458	238436	30 mesh (595 micron), 145cc, 180cc, 220cc, 250cc, 290cc
224459	238438	60 mesh (290 micron), 145cc, 180cc, 220cc, 250cc, 290cc
224468	238440	100 mesh (149 micron), 145cc, 180cc, 220cc, 250cc, 290cc

### Other Accessories

511352	Static mixer, 3/8 npt SST pipe, 12 SST element, 500 bar (50 MPa - 7250 psi)
262478	Static mixer housing, 3/8 npt SST, 500 bar (50 MPa - 7250 psi). Uses plastic element below
246078	Scuff guard, 15.2 m (50 ft) braided polyethylene mesh
246456	Scuff guard, 15.2 m (50 ft) polyethylene bag
248927	Element mixer kit, plastic 12 element sticks, 25 pack
206995	Graco throat seal liquid (TSL), 0.9 l (1 qt)
206996	Graco throat seal liquid (TSL), 3.8 l (1 gal)
16T138	Scuff, Xtreme Wrap, removeable
262826	Gun splitter
24P834	Gun swivel, high-flow, 3/8 npsm x 1/2 in (F) for XHF gun (448 bar)



## 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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Graco is certified ISO 9001.



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