



# 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 (shown below) and select additional components required for your application.

### Intuitive User Controls

- 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

### Mix Manifold

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

### Mounting Bracket

- Supports up to three fluid heaters

### XTR-7 Gun

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

### Rear View of Base Unit



Xtreme pumps and Merkur™ flush pump are standard on the base unit. Easy crane transport using eye hooks on air motors.

Graco XM Plural-Component Sprayer (base model)\*

\* Base model approved for use in hazardous locations is available

# 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 hazardous locations

### Hose Rack Kit

### Viscon® Fluid Heaters

- Choose standard or model approved for hazardous locations

### Rear Mounted Hoppers



### Transfer pumps

- Choose Graco T2 or Monark® 5:1

### Twistork® Agitator

- Helps maintain proper material consistency

### Material Hoppers

- Side or rear-mount
- Choose 76 or 26 liter (20-gal or 7-gal)

### Hopper Heater

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

\*Viscon fluid heater approved for use in hazardous locations must be ordered separately

### Caster Kit

Graco XM Plural-Component Sprayer (base model plus options)\*\*

\*\* Not approved for use in hazardous locations unless the base model, all accessories and wiring comply with national, state and local codes



# 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.



## Advanced controls

The user interface on the Graco XM is intuitive and simple to use. It provides two display modes: “setup” 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 a 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 100 psi (0.7 MPa, 7.0 bar):

.....	0.56 m <sup>3</sup> /min/lpm (75 scfm/gpm)
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### Ambient temperature range

Operating.....	0° to 54°C (32° to 130°F)
Storage.....	-1° to 71°C (30° to 160°F)

### Weight

Base machine.....	526 kg (1160 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.....	Aluminum
Flush pump.....	Stainless steel, aluminum, 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 plating, carbide, 302 stainless steel, PTFE, UHMWPE
Mixer .....	Stainless steel housing with acetal elements
Spray gun .....	Stainless steel, acetal, polyethylene, nylon, polypropylene, carbide, polyurethane, solvent-resistant o-rings

## Configurable options loaded with features



### Hoppers

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

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

**26L (6-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 on 76L (20-gal) hoppers or drums
- Choose Graco T2 or Monark 5:1 transfer pump



### Twistork Agitators

- Helps maintain proper material consistency
- Easily mounts on 76L (20-gal) hoppers or drums
- Approved for use in hazardous locations.

\* Models approved for hazardous locations are available

# Ordering Information

For easy ordering, visit [xm.graco.eu.com](http://xm.graco.eu.com) and use the Graco configuration tool

## Base Unit Includes:

- Frame
- Flush pump
- Dosing valves
- Mix manifold
- Controls
- USB port
- Xtreme Pumps
- Xtreme-Duty Hose
- Two static mixers
- XTR-7 Gun
- Your choice of power supply
- Recirculation kit

## Accessory Kits for XM50 and XM70

255963.....	76L (20-gal) hopper	256263.....	Hose rack kit
.....	(heat source not included)	256274.....	Twistork agitator kit
256257.....	Hopper heater kit, 240V	256275.....	T2 2:1 feed pump kit
256273.....	Hopper/hose heat circulation kit	256276.....	Monark 5:1 feed pump kit
.....	(heater not included)	256232.....	Agitator & 2:1 drum feed pump kit
256259.....	76L (20-gal)	256255.....	Agitator & 5:1 drum feed pump kit
.....	hopper mounting bracket kit	256260.....	26L (20-gal) hopper installation kit
256170.....	Hopper fluid outlet kit	256653.....	Fluid Inlet kit
256980.....	Remote mix manifold conversion kit	256876.....	Electric heated hose power supply kit
256512.....	Desiccant kit	256433.....	President™ 10:1 drum feed kit
.....	(for use with 76L (20-gal) hoppers)	256991.....	Alternator conversion kit
256262.....	Caster kit		

## Xtreme-Duty High-Pressure Hoses

386 bar

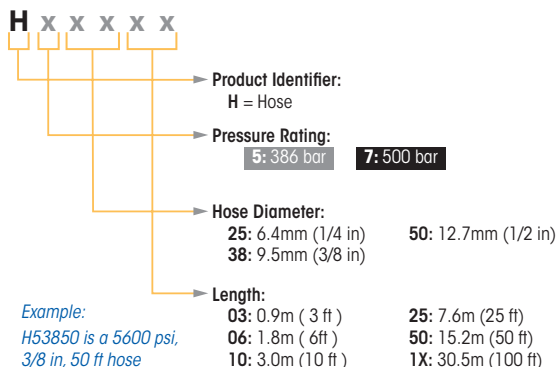
500 bar



### Choose the Right Hose for the Job

#### Technical Specifications

Working pressure.....	386 bar (5600 psi)
.....	500 bar (7250 psi)
Temperature rating (all sizes).....	-40° to 82°C (-40° to 180°F)
Chemical resistance.....	Hose cover resistant to a
.....	wide variety of solvents, acids and bases
Weather resistance .....	Hose cover has outstanding
	resistance to oxygen, ozone, sunlight
	and general weather conditions
Electrical properties .....	Conductive hose



Xtreme-Duty 386 bar (5600 psi) High-Pressure Hose			
Part #	Length	Hose Diameter	Female NPSM
H52503	0.9 m (3 ft)	6.4 mm (1/4 in)	1/4 in
H52506	1.8 m (6 ft)	6.4 mm (1/4 in)	1/4 in
H52510	3.0 m (10 ft)	6.4 mm (1/4 in)	1/4 in
H52525	7.6 m (25 ft)	6.4 mm (1/4 in)	1/4 in
H52550	15.2 m (50 ft)	6.4 mm (1/4 in)	1/4 in
H5251X	30.5 m (100 ft)	6.4 mm (1/4 in)	1/4 in
H53803	0.9 m (3 ft)	9.5 mm (3/8 in)	3/8 in
H53806	1.8 m (6 ft)	9.5 mm (3/8 in)	3/8 in
H53810	3.0 m (10 ft)	9.5 mm (3/8 in)	3/8 in
H53825	7.6 m (25 ft)	9.5 mm (3/8 in)	3/8 in
H53850	15.2 m (50 ft)	9.5 mm (3/8 in)	3/8 in
H5381X	30.5 m (100 ft)	9.5 mm (3/8 in)	3/8 in
H55010	3.0 m (10 ft)	12.7 mm (1/2 in)	1/2 in
H55025	7.6 m (25 ft)	12.7 mm (1/2 in)	1/2 in
H55050	15.2 m (50 ft)	12.7 mm (1/2 in)	1/2 in
H5501X	30.5 m (100 ft)	12.7 mm (1/2 in)	1/2 in

Xtreme-Duty 500 bar (7250 psi) High Pressure-Hose			
Part #	Length	Hose Diameter	Female NPSM
H72503	0.9 m (3 ft)	6.4 mm (1/4 in)	1/4 in
H72506	1.8 m (6 ft)	6.4 mm (1/4 in)	1/4 in
H72510	3.0 m (10 ft)	6.4 mm (1/4 in)	1/4 in
H72525	7.6 m (25 ft)	6.4 mm (1/4 in)	1/4 in
H72550	15.2 m (50 ft)	6.4 mm (1/4 in)	1/4 in
H7251X	30.5 m (100 ft)	6.4 mm (1/4 in)	1/4 in
H73803	0.9 m (3 ft)	9.5 mm (3/8 in)	3/8 in
H73806	1.8 m (6 ft)	9.5 mm (3/8 in)	3/8 in
H73810	3.0 m (10 ft)	9.5 mm (3/8 in)	3/8 in
H73825	7.6 m (25 ft)	9.5 mm (3/8 in)	3/8 in
H73850	15.2 m (50 ft)	9.5 mm (3/8 in)	3/8 in
H7381X	30.5 m (100 ft)	9.5 mm (3/8 in)	3/8 in
H75010	3.0 m (10 ft)	12.7 mm (1/2 in)	1/2 in
H75025	7.6 m (25 ft)	12.7 mm (1/2 in)	1/2 in
H75050	15.2 m (50 ft)	12.7 mm (1/2 in)	1/2 in
H7501X	30.5 m (100 ft)	12.7 mm (1/2 in)	1/2 in

# Ordering Information



## Airless Guns

### XTR-5 Airless Spray Gun

Maximum working pressure: 345 bar, 34.5 MPa (5000 psi)

XTR500	One inch round handle, four-finger trigger, no tip
XTR501	One inch round handle, four-finger trigger, 519 flat tip
XTR502	Oval-insulated handle, four-finger trigger, 519 XHD RAC tip
XTR503	Oval-insulated handle, two-finger trigger, 519 XHD RAC tip
XTR504	One inch round handle, four-finger trigger, 519 XHD RAC tip
XTR505	One inch 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
XTR701	Round handle, four-finger trigger, 519 flat tip
XTR702	Oval-insulated handle, four-finger trigger, 519 XHD RAC tip
XTR703	Oval-insulated handle, two-finger trigger, 519 XHD RAC tip
XTR704	Round handle, four-finger trigger, 519 XHD RAC tip
XTR705	Round handle, two-finger trigger, 519 XHD RAC tip

## Gun Accessories

### Accessories

287450	Two-finger Trigger Kit	246297	180° spray nozzle, 7/8-14 UNC-2B, 500 bar, 50 MPa (7250 psi)
287449	Four-finger Round Trigger Kit	248837	Gun Repair Kit, Includes Gasket, Needle and Seat
287451	Four-finger Oval Insulation Trigger Kit	287032	Filter, 60 Mesh
246294	254 mm (10 in) Gun Extension, 500 bar, 50 MPa (7250 psi)	287033	Filter, 100 Mesh
246295	380mm (15 in) Gun Extension, 500 bar, 50 MPa (7250 psi)	287034	Filter, 60 and 100 Mesh Combination
246296	457 mm (18 in) Gun Extension, 500 bar, 50 MPa (7250 psi)		



## XHD RAC SwitchTip

			ORIFICE SIZE - INCHES																																			
FAN WIDTH	(MM)	IN	.007	.009	.011	.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.033	.035	.037	.039	.041	.043	.045	.047	.049	.051	.053	.055	.057	.059	.061	.063	.065	.067	.069	.071	.075	.081	
	(51-102)	2-4	107	109	111	113	115	117	119	121									139																			
	(102-152)	4-6		209	211	213	215	217	219	221		225	227	229	231		235		239																			
	(152-203)	6-8	307	309	311	313	315	317	319	321	323	325	327	329	331	333	335	337	339	341	343	345	347		351		355											
	(203-254)	8-10		409	411	413	415	417	419	421	423	425	427	429	431	433	435	437	439	441	443	445	447	449	451		455		459	461	463	465	467		471	475	481	
	(254-305)	10-12		509	511	513	515	517	519	521	523	525	527	529	531	533	535	537	539	541	543	545	547	549	551	553	555	557		561	563	565	567		571	575		
	(305-356)	12-14		609	611	613	615	617	619	621	623	625	627	629	631	633	635	637	639	641	643	645	647	649	651		655	657	659	661	663	665	667	669	671	675		
	(356-406)	14-16			711	713	715	717	719	721	723	725	727	729	731	733	735	737	739	741	743		749	751	753	755				761		767		771				
	(406-457)	16-18				813	815	817	819	821	823	825	827	829	831	833	835	837	839	841	843					851	855				861	863	867					
	(457-508)	18-20									923		927		931	933	935	937	939																			
Flow Rate (gpm)			.05	.09	.12	.18	.24	.31	.38	.47	.57	.67	.74	.90	1.03	1.17	1.31	1.47	1.63	1.8	1.98	2.17	2.37	2.58	2.79	4.26	3.25	3.49	3.74	4.0	4.26	4.53	4.82	5.11	5.41	6.4	7.04	
Flow Rate (lpm)			.20	.33	.49	.69	.91	1.17	1.47	1.79	2.15	2.54	2.96	3.42	3.90	4.42	4.98	5.56	6.18	6.83	7.51	8.23	8.98	9.76	10.57	16.13	12.29	13.20	14.14	15.12	16.13	17.17	18.24	19.34	20.48	22.85	26.66	

Water @ 2000 psi (138 bar, 13.8 MPa) - paints with a higher viscosity will decrease the flow rate. Example: for a tip with a .039 in orifice and a 254 mm (10-in) pattern, order XHD539

### Graco XHD Guard

XHD001	XHD RAC Guard for pressures up to 500 bar, 50 MPa (7250 psi)
XHD010	Seat and Seal Kit (5-pack)



## Other Accessories

**Heated Hose** - 345 bar, 34.5 MPa (5000 psi), 15 m (50 ft)

*Not approved for hazardous locations*

248907	Hose Set, ID 6.3 x 9.5 mm (1/4 (A) x 3/8 (B))
248908	Hose Set, ID 9.5 x 9.5 mm (3/8 (A) x 3/8 (B))

### Fittings

15B729	Coupling, 500 bar, 50.0 MPa (7250 psi), 3/8 npt (f) x 3/8 npsm (m)
150287	Coupling, 500 bar, 50.0 MPa (7250 psi), 3/8 npt (f) x 1/4 npt (m)
214925	Swivel, 345 bar, 34.5 MPa (5000 psi), 3/8 npt (f) x 1/4 npsm (f)
236987	Swivel, 500 bar, 50.0 MPa (7250 psi), 1/4 npsm (m) x 1/4 npsm (f)
189018	Swivel, 399 bar, 39.9 MPa (5800 psi), 1/4 npsm (m) x 1/4 npsm (f)
156971	Nipple, 500 bar, 50.0 MPa (7250 psi), 1/4 npt x 1/4 npt (mbe)
165198	Nipple, 500 bar, 50.0 MPa (7250 psi), 1/4 npt x 3/8 npt (mbe)
162449	Nipple, 500 bar, 50.0 MPa (7250 psi), 1/4 npt x 1/2 npt (mbe)
159239	Nipple, 500 bar, 50.0 MPa (7250 psi), 3/8 npt x 1/2 npt (mbe)
158491	Nipple, 500 bar, 50.0 MPa (7250 psi), 1/2 npt x 1/2 npt (mbe)

**Viscon HP Fluid Heaters** - Compatible with Graco XM junction box

*Approved for hazardous locations*

245848	Hazardous location, 120 VAC, 2300 watts, 19.2 amps
245863	Hazardous location, 240 VAC, 4000 watts, 16.7 amps
246254	Hazardous location, 380 VAC, 4000 watts, 10.5 amps
245864	Hazardous location, 480 VAC, 4000 watts, 8.3 amps

**Viscon HP Fluid Heaters** - Compatible with Graco XM junction box

*Not approved for hazardous locations*

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

### Pump Lower Filter Screens

#### 2-Pack 25-Pack Description

224458	238436	30 mesh (595 micron)
224459	238438	60 mesh (290 micron)
224468	238440	100 mesh (149 micron)

### Other Accessories

511352	Static mixer, 3/8 npt SST pipe, 12 SST element, 500 bar
15E592	Static mixer housing, 3/8 npt SST, 500 bar. 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), 0.9L (1 qt)
206996	Graco throat seal liquid (TSL), 3.8 L (1 gal)



## 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.

## GRACO LOCATIONS

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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.  
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Graco is certified ISO 9001.

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