

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)*

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

Material Hoppers

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

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 plus options)**

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)	39W x 70H x 38D in (99 x 178 x 97 cm)
Side mounted hoppers	99W x 70H x 38D in (252 x 178 x 97 cm)
Rear mounted hoppers	57W x 70H x 65D in (145 x 178 x 165 cm)

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	1 qt/min (0.95 lpm)*
Maximum	3 gpm (11.4 lpm)*

**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	5200 psi (358 bar, 35.8 MPa)
70:1	6300 psi (434 bar, 43.4 MPa)

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

Max pump air set pressure

50:1	100 psi (7.0 bar, 0.7 MPa)
70:1	90 psi (6.2 bar, 0.62 MPa)

Max pump inlet fluid pressure 250 psi (17 bar, 1.7 MPa)

Max air consumption at 100 psi (0.7 MPa, 7.0 bar) 75 scfm/gpm (0.56 m³/min/lpm)

Ambient temperature range

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

Weight

Base machine..... 1160 lb (526 kg)
(No heaters, hoppers or junction box)

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

Sound pressure 86 dBA at 100 psi (7.0 bar, 0.7 MPa)

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

 <p>Hoppers 20-gal (76 l) hoppers are:</p> <ul style="list-style-type: none"> • Jacketed for heated water or oil • Made of rugged, double-wall polyethylene • Available in heated* or standard <p>7-gal (26 l) hoppers are:</p> <ul style="list-style-type: none"> • Excellent for high ratio applications 	 <p>Viscon Fluid Heater*</p> <ul style="list-style-type: none"> • 240 VAC, 4000 watts • Other voltage options sold separately 	 <p>Transfer Pumps*</p> <ul style="list-style-type: none"> • Feeds material to main pumps • Recommended for highly viscous materials • Easily mounts to 20-gal (76 l) hoppers or drums • Choose Graco T2 or Monark 5:1 transfer pump 	 <p>Twistork Agitators</p> <ul style="list-style-type: none"> • Helps maintain proper material consistency • Easily mounts on 20-gal (76 l) hoppers or drums • Approved for use in explosive atmospheres
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* Models approved for explosive atmospheres are available

Ordering Information

For genuine Graco products, see your nearest Graco distributor, or call 877-844-7226

For easy ordering, visit www.graco.com/xm and use the Graco XM 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

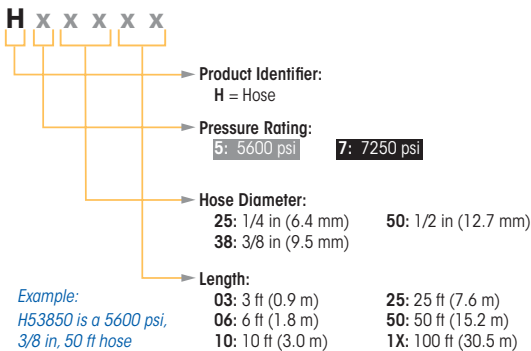
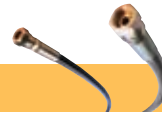
Accessory Kits for XM50 and XM70

255963	20-gal (76 l) hopper (heat source not included)	256275	T2 2:1 feed pump kit
256257	Hopper heater kit, 240V	256276	Monark 5:1 feed pump kit
256273	Hopper/hose heat circulation kit (heater not included)	256232	Dual agitator & 2:1 drum feed pump kit
256259	20-gal (76 l) hopper mounting bracket kit	256255	Dual agitator & 5:1 drum feed pump kit
256170	Hopper fluid outlet kit	256260	7-gal (26 l) hopper installation kit
256980	Remote mix manifold conversion kit	256653	Lower strainer and valve kit
256512	Desiccant kit (for use with 20-gal (76 l) hoppers)	256876	Electric heated hose power supply kit
256262	Caster kit	256433	President™ 10:1 drum feed kit
256263	Hose rack kit	256991	Alternator conversion kit
256274	Twistork agitator kit		

Xtreme-Duty High-Pressure Hoses

5600 psi

7250 psi



Choose the Right Hose for the Job

Technical Specifications

Working pressure	5600 psi (386 bar), or 7250 psi (500 bar)
Temperature rating (all sizes)	-40° to 180°F (-40° to 82°C)
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 5600 psi (386 bar) High-Pressure Hose

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

Xtreme-Duty 7250 psi (500 bar) High Pressure-Hose

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



Airless Guns

XTR-5 Airless Spray Gun

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

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: 7250 psi (500 bar, 50.0 MPa)

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, 7250 psi (500 bar, 50 MPa)
287449	Four-finger Round Trigger Kit	248837	Gun Repair Kit, Includes Gasket, Needle and Seat
287451	Four-finger Oval Insulation Trigger Kit	245994	GHD Tip Guard Kit
246294	10 in (254 mm) Gun Extension, 7250 psi (500 bar, 50 MPa)	287032	Filter, 60 Mesh
246295	15 in (380 mm) Gun Extension, 7250 psi (500 bar, 50 MPa)	287033	Filter, 100 Mesh
246296	18 in (457 mm) Gun Extension, 7250 psi (500 bar, 50 MPa)	287034	Filter, 60 and 100 Mesh Combination



XHD RAC SwitchTip

ORIFICE SIZE - INCHES

FAN WIDTH	IN (MM)	ORIFICE SIZE - INCHES																																			
		.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	
2-4 (51-102)	107	109	111	113	115	117	119	121		225	227	229	231		235		139																				
4-6 (102-152)	209	211	213	215	217	219	221										239																				
6-8 (152-203)	307	309	311	313	315	317	319	321	323	325	327	329	331	333	335	337	339	341	343	345	347			351		355											
8-10 (203-254)	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		
10-12 (254-305)		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			
12-14 (305-356)		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			
14-16 (356-406)			711	713	715	717	719	721	723	725	727	729	731	733	735	737	739	741	743	745	747	749	751	753	755		761	763	765	767		771					
16-18 (406-457)				813	815	817	819	821	823	825	827	829	831	833	835	837	839	841	843		847			851		855		861	863	865	867						
18-20 (457-508)								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	6.04	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 10-in (254 mm) pattern, order XHD539

Graco XHD Guard

XHD001	XHD RAC Guard for pressures up to 7250 psi (500 bar, 50.0 MPa)
XHD010	Seat and Seal Kit (5-pack)



Other Accessories

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

Not approved for explosive atmospheres

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

Fittings

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

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

245848	Hazardous location, 120 VAC, 2300 watts, 19.2 amps
245862	Hazardous location, 200 VAC, 4000 watts, 20 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 explosive atmospheres

245867	Non-hazardous location, 120 VAC, 2300 watts, 19.2 amps
245868	Non-hazardous location, 200 VAC, 4000 watts, 20.0 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), 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, 7250 psi
15E592	Static mixer housing, 3/8 npt SST, 7250 psi. Uses plastic element below
246078	Scuff guard, 50 ft (15.2 m) braided polyethylene mesh
246456	Scuff guard, 50 ft (15.2 m) polyethylene bag
248927	Element mixer kit, plastic 12 element sticks, 25 pack
206995	Graco throat seal liquid (TSL), 1 qt (0.9 l)
206996	Graco throat seal liquid (TSL), 1 gal (3.8 l)



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.

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