

XTREME™ MIX

plural-component spray packages



*Easy-to-use plural-component
spray packages offering advanced
ratio assurance controls.*

Superior Plural-Component Technology



XTREME MIX PROPORTIONERS

Advanced. Accurate. Affordable.

Graco's Xtreme Mix plural-component sprayers feature advanced metering technology to accurately spray the toughest plural-component materials. Simple user controls and turn-of-a-key ratio changes help take the guessing out of plural-component mixing. With less hand-mixing, you'll increase productivity and save money on materials and labor.

Xtreme Mix is Ideal for

- Pipe and tank coating
- Fleet maintenance and shipbuilding
- Marine applications
- Railcar manufacturing and repair
- Structural steel
- Concrete
- Floor coatings
- Sewer and manhole restoration
- Processing plants

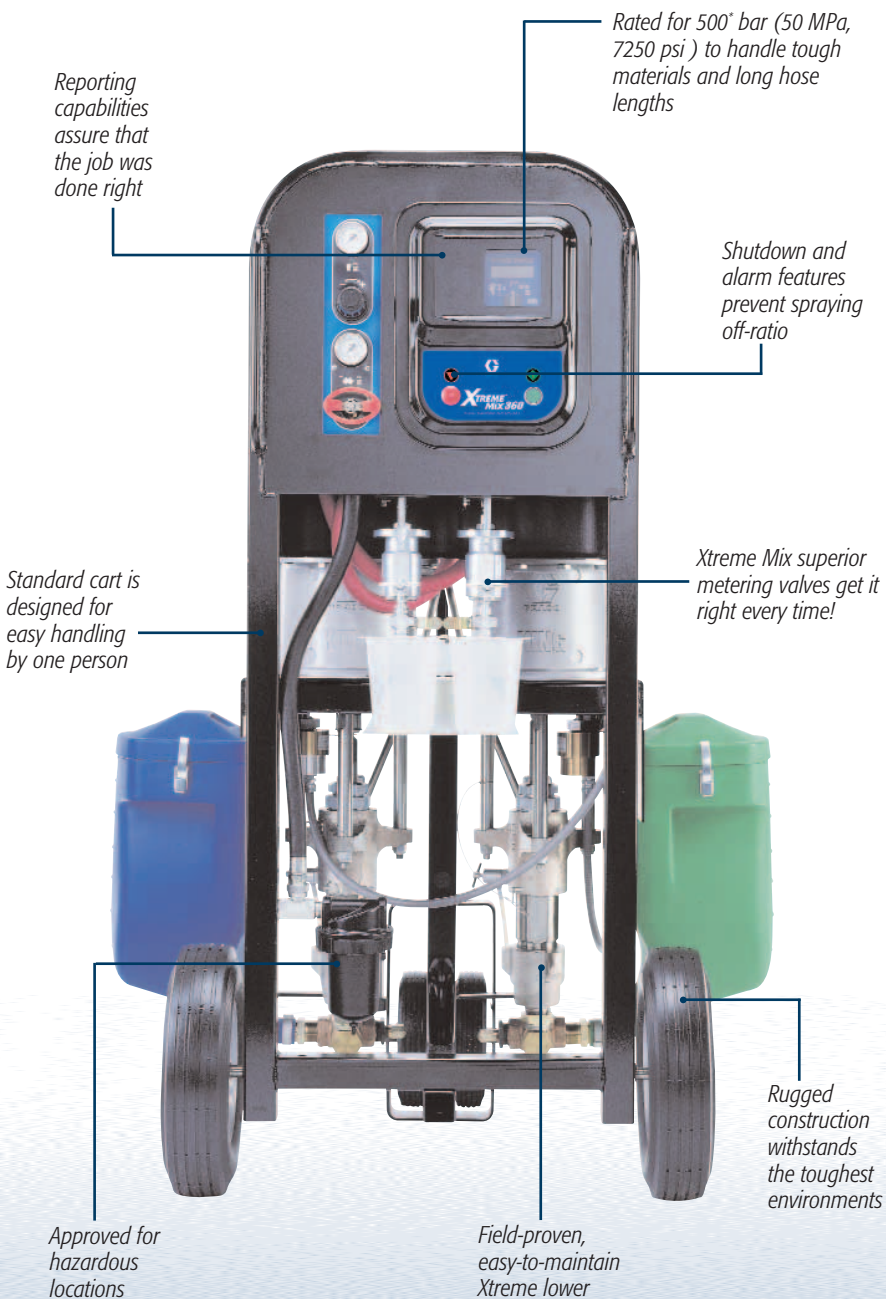
Built for the Demanding Protective Coatings Market!

- ▶ Sprays tough, 100% solids coatings
- ▶ Easily sprays materials with short pot lives
- ▶ Remote manifold keeps materials separated until needed at the gun
- ▶ Manifold reduces waste and improves productivity
- ▶ Portable and simple-to-use
- ▶ Durable, dependable and built to last



Packed With Features You Can Depend On!

Our Xtreme Mix plural-component sprayers are loaded with features to help you get the job done right — every time. The combination of our SmartPump™ metering system, on-board diagnostics and auto shutdown helps prevent off-ratio spraying. Xtreme Mix offers even more with jobsite portability, on-demand mixing, and built-in data reporting.



* Xtreme Mix 185 maximum working pressure is 324 bar (32.4 MPa, 4700 psi)

5 SIMPLE STEPS to Set up and Spray



- 1 Turn on air supply
- 2 Turn selector to PRIME to load each pump
- 3 Turn selector to SPRAY
- 4 Set desired ratio
- 5 Press the green start button

You're **READY** to spray!



A Complete Line of Xtreme Mix Sprayers



XTREME MIX 290, 360, 440, 500

- Maximum working pressure is 500 bar (50.0 MPa, 7250 psi)
- Data reporting monitors and reports job application specifics
- Approved for hazardous and non-hazardous locations
- Ratio check system with alarm and auto shutdown
- Ability to mount external heaters
- Complete units with gun, hose, fluid tanks and static mixer
- Can be used as a single or plural component pump
- Available with or without built-in filter

XTREME MIX 185

- Maximum working pressure is 324 bar (32.4 MPa, 4700 psi)
- Durable three-wheeled cart
- Approved for hazardous and non-hazardous locations
- Ratio check system with alarm and auto shutdown
- Pot-life alarm warns when material is near the end of pot-life
- Pump PARK feature lowers pump rod to prevent build-up of material and extend packing life
- Complete heated packages available
- Wall and cart-mount units available

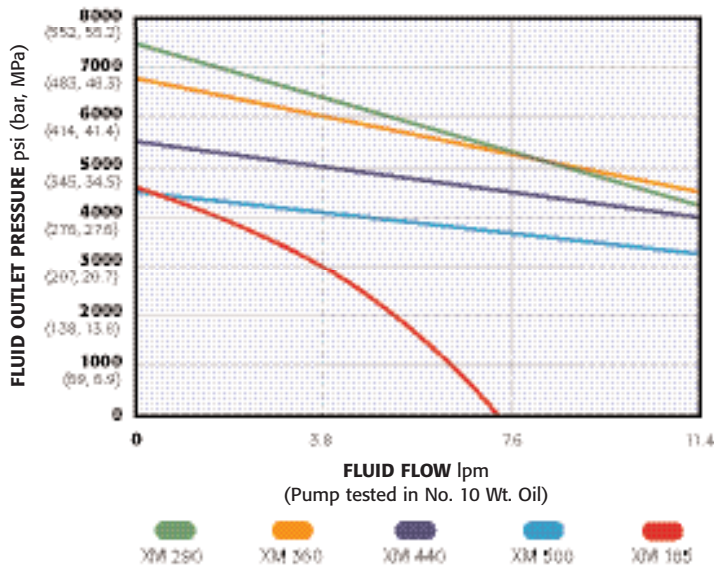


Power and Performance

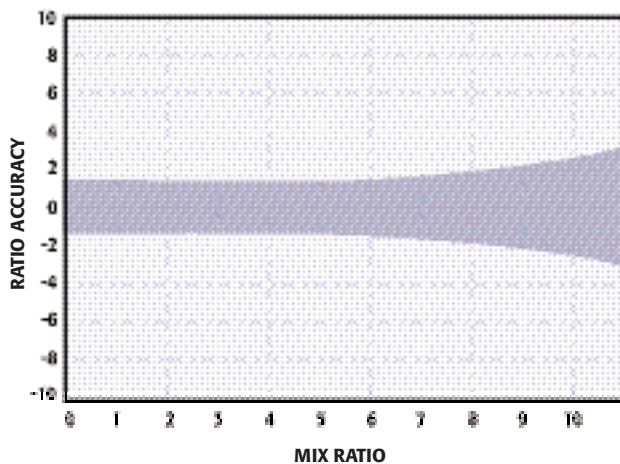
Xtreme Mix Selection Guide

Model	Maximum Working Pressure	Flow Rate @ 1:1 Ratio and 40 cpm	Flow Rate @ 4:1 Ratio and 40 cpm	Flow Rate @ 10:1 Ratio and 40 cpm	Flow Rates per cycle
Xtreme Mix 185	324 bar (32.4 MPa, 4700 psi)	4.0 lpm	2.37 lpm	2.08 lpm	185 cc
Xtreme Mix 290	500 bar (50.0 MPa, 7250 psi)	11.7 lpm	7.2 lpm	6.4 lpm	290 cc
Xtreme Mix 360	469 bar (46.9 MPa, 6800 psi)	14.8 lpm	9.1 lpm	7.9 lpm	360 cc
Xtreme Mix 440	386 bar (38.6 MPa, 5600 psi)	17.0 lpm	10.6 lpm	9.5 lpm	440 cc
Xtreme Mix 500	310 bar (31 MPa, 4500 psi)	20.1 lpm	12.5 lpm	11.0 lpm	500 cc

Performance Chart



Xtreme Mix Ratio Accuracy*



* Tested with hydraulic oil in laboratory conditions

Selecting Your Xtreme Mix Sprayer

The Xtreme Mix provides precise and reliable electronic proportioning for all spray technologies. Use the pressure flow curves at left to determine which Xtreme Mix sprayer is right for you.

HOW TO USE THIS CHART:

- Step 1:** Locate the required fluid flow along the bottom axis of the chart.
- Step 2:** Follow vertical line until it intersects with the solid curve.
- Step 3:** Follow curve to left axis to determine fluid outlet pressure.

On-Ratio Performance

Automatically maintain the mixing ratio within predefined tolerance limits, down to $\pm 1\%$. If accuracy exceeds $\pm 5\%$, the system will stop production, preventing any off-ratio material from reaching your project, virtually eliminating expensive re-work, saving both time and materials.

Technical Specifications

Mix ratio range	0.1-1 to 10:1 (in 0.1 increments)
Air supply pressure range*	3.5 to 7.6 bar (0.35 to 0.76 MPa, 50 to 110 psi)
Fluid filtration	60 mesh (238 micron standard)
Temperature range	
Operating	0 to 54°C
Storage	-1 to 71°C
Sound pressure	98 dBA at 7 bar (0.7 MPa, 100 psi)
Wetted parts	
Pumps	Carbon steel, alloy steel, 303, 440 and 17-4ph grades stainless steel, zinc and nickel plating, ductile iron, tungsten carbide, PTFE, leather
Metering valves	Carbon steel, zinc plating, carbide, polyethylene, leather
Manifold	Stainless steel (302, 303, 416), tungsten carbide with nickel binder, zinc plated carbon steel, nylon 6/6, PTFE, 440 SS, copper, polyethylene
Mixer	Stainless steel
Spray gun	17-4ph stainless steel, 4140 alloy steel, aluminum
Fluid viscosity range	200-20,000 cps (heavier viscosities can be mixed with use of optional heaters, heated hoses and hardware)
Maximum air consumption at 7 bar (0.7 MPa, 100 psi)	
Xtreme Mix 500 (45:1)	3.1 m ³ /min
Xtreme Mix 440 (56:1)	3.5 m ³ /min
Xtreme Mix 360 (68:1)	4.4 m ³ /min
Xtreme Mix 290 (80:1)	5.1 m ³ /min
Xtreme Mix 185 (45:1)	1.6 m ³ /min
Communications	
PC	RS-232
Communication protocol	9600 baud, 8 bits, no parity
Dimensions - cart models without hoppers	
Xtreme Mix 290, 360, 440, 500	113 x 84 x 164 cm
Xtreme Mix 185	112 x 152 x 76 cm
Weight	
Xtreme Mix 290, 360, 440, 500	
Cart unit without hose and gun	283.5 kg
Xtreme Mix 185	
Cart unit with heaters	215 kg
Cart unit without heaters	159 kg

Instruction Manuals - Operation**

Xtreme Mix 290, 360, 440, 500	
309535	** English
Xtreme Mix 185	
310665	** English

Instruction Manuals - Repair

Xtreme Mix 290, 360, 440, 500	
309518	** English
Xtreme Mix 185	
310666	** English

* Recommended that you optimize static mixer when low air pressure range is used.

** Other languages are available, see www.graco.com/www.graco.be for more information.

Ordering Information

Cart Mount Units for Hazardous Locations

233855	Xtreme Mix 500, complete unit
233859	Xtreme Mix 500, quiet motor
233856	Xtreme Mix 440, complete unit
233860	Xtreme Mix 440, quiet motor
233857	Xtreme Mix 360, complete unit
233861	Xtreme Mix 360, quiet motor
233858	Xtreme Mix 290, complete unit
233862	Xtreme Mix 290, quiet motor
234616	Xtreme Mix 185, complete unit
234838	Xtreme Mix 185 complete unit with 240V heaters
234840	Xtreme Mix 185 complete unit with 480V heaters

Cart Mount Units for Non-Hazardous Locations

233863	Xtreme Mix 500, complete unit
233867	Xtreme Mix 500, quiet motor
233864	Xtreme Mix 440, complete unit
233868	Xtreme Mix 440, quiet motor
233865	Xtreme Mix 360, complete unit
233869	Xtreme Mix 360, quiet motor
233866	Xtreme Mix 290, complete unit
233870	Xtreme Mix 290, quiet motor
234617	Xtreme Mix 185, complete unit
234839	Xtreme Mix 185 complete unit with 240V heaters
234841	Xtreme Mix 185 complete unit with 480V heaters

Wall Mount Units

234614	Xtreme Mix 185 complete unit for hazardous locations
234615	Xtreme Mix 185 complete unit for non-hazardous locations

Xtreme Mix Without Built-in Filters for Hazardous Locations

248831	Xtreme Mix 290, complete unit
248832	Xtreme Mix 360, complete unit
248833	Xtreme Mix 440, complete unit
248834	Xtreme Mix 500, complete unit

Xtreme Mix complete units include XTR spray gun, 15.3 m fluid hose, 1.8 m whip hose, static mixer and fluid tanks.

Accessories

Guns and Gun Accessories

246294	254 mm gun extension
246295	380 mm gun extension
246296	457 mm gun extension
246297	180° spray nozzle

XTR-7 Airless Spray Gun

Maximum working pressure: 500 bar (50.0 MPa, 7250 psi)

248609	25 mm round handle, four-finger trigger, HD tip guard, no tip
248610	25 mm round handle, four-finger trigger, flat tip
248611	Oval insulated handle, four-finger trigger, HD RAC tip
248612	Oval insulated handle, two-finger trigger, HD RAC tip
248613	25 mm round handle, four-finger trigger, HD RAC tip
248614	25 mm round handle, two-finger trigger, HD RAC tip

Whip Hose - 345 bar (34.5 MPa, 5000 psi)

214912	0.91 m, 1/4 npt(m) x 1/4 npsm(f)
214913	1.8 m, 1/4 npt(m) x 1/4 npsm(f)

Whip Hose - 500 bar (50.0 MPa, 7250 psi)

246193	1.8 m, 1/4 npt(m) x 1/4 npsm(f)
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Fluid Hose - 345 bar (34.5 MPa, 5000 psi)

238395	ID 9.5 mm x 7.5 m, 3/8 npt(m) x 3/8 npsm(f)
238396	ID 9.5 mm x 15 m, 3/8 npt(m) x 3/8 npsm(f)
238397	ID 9.5 mm x 30 m, 3/8 npt(m) x 3/8 npsm(f)
238716	ID 12.7 mm x 7.5 m, 1/2 npsm(fbe)
238717	ID 12.7 mm x 15 m, 1/2 npsm(fbe)
238718	ID 12.7 mm x 30 m, 1/2 npsm(fbe)
214915	ID 6.3 mm x 15 m, 1/4 npsm(fbe)
238383	ID 6.3 mm x 1.8 m, 1/4 npsm(fbe)

Fluid Hose - 500 bar (50.0 MPa, 7250 psi)

237071	ID 6.3 mm x 15 m, 1/4 npsm(fbe)
246193	ID 6.3 mm x 1.8 m, 1/4 npsm(fbe)
237072	ID 9.7 mm x 15 m, 3/8 npsm(fbe)

Fluid Hose - 550 bar (55 MPa, 7970 psi)

237213	ID 12.7 mm x 15 m, 1/2 npsm(fbe)
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Fittings

214925	Swivel, 345 bar (34.5 MPa, 5000 psi), 3/8 npt(f) x 1/4 npsm(f)
236987	Swivel, 510 bar (51 MPa, 7400 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, 517 bar (51.7 MPa, 7500 psi), 1/4 npt x 1/4 npt(mbe)
165198	Nipple, 690 bar (69 MPa, 10000 psi), 1/4 npt x 3/8 npt(mbe)
162449	Nipple, 510 bar (51 MPa, 7400 psi), 1/4 npt x 1/2 npt(mbe)
159239	Nipple, 510 bar (51 MPa, 7400 psi), 3/8 npt x 1/2 npt(mbe)
158491	Nipple, 510 bar (51 MPa, 7400 psi), 1/2 npt x 1/2 npt(mbe)

Viscon® HP Fluid Heaters

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

Manifold Accessories

234026	Two spray gun manifold with independent solvent flush
15A898	Remote manifold kit for Xtreme Mix 290, 360, 440, 500
248397	Remote manifold kit for Xtreme Mix 185

Filter Screens

238435	30 mesh (595 micron), 3 pack
238437	60 mesh (290 micron), 3 pack
238439	100 mesh (149 micron), 3 pack

Kits and Accessories

248428	Heater kit with re-circulation (heater sold separately); includes components needed to add one heater and one re-circulation kit
248652	Xtreme Mix 185 re-circulation kit; includes solenoid, dispense valve and hoses needed for one re-circulation setup
248440	Xtreme Mix 185 repair kit

Tuff-Stack™ Alternate Seal Repair Kit (2 Kits per Xtreme Mix)

248442	Xtreme Mix 185
244900	Xtreme Mix 290
244901	Xtreme Mix 360
244902	Xtreme Mix 440
244903	Xtreme Mix 500

234017	28 liter blue fluid tank
234097	28 liter green fluid tank
248224	9.5 liter ISO supply kit
248225	19 liter ISO supply kit

511352	Static mixer
246322	Data reporting kit, Xtreme Mix 290, 360, 440, 500
248404	Data reporting kit, Xtreme Mix 185
246078	Scuff guard, 15.2 m braided polyethylene mesh
246456	Scuff guard, 15.2 m polyethylene bag
206995	Graco throat seal liquid (TSL), 0.9 l
206996	Graco throat seal liquid (TSL), 3.8 l

ABOUT GRACO

PROVEN QUALITY. LEADING TECHNOLOGY.

Founded in 1926, Graco is among the leading group 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 first-class customer service. Working closely with qualified distributors, Graco offers systems, products and technology which set quality standards 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 data in this document is based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Graco is certified ISO 9001.



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