Operating Instructions

This manual contains important warnings and information. READ AND KEEP FOR REFERENCE. INSTRUCTIONS

To find your Graco/Magnum authorized service center

- See the enclosed Graco/Magnum Authorized Service Centers list
- Visit our website at www.graco.com
- Call us at 1-888-541-9788



Rev. G

XR Series Airless Sprayers

Magnum XR9, Model 232750, Series A

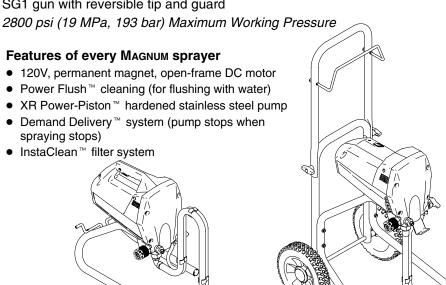
0.38 gpm (1.44 lpm) sprayer on heavy-duty deluxe cart, 50 ft (15.2 m) hose, and SG3 pro metal gun with reversible tip and guard 3000 psi (21 MPa, 207 bar) Maximum Working Pressure

Magnum XR7, Model 232745, Series A

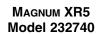
0.31 gpm (1.17 lpm) sprayer on heavy-duty cart, 50 ft (15.2 m) hose, and SG2 metal gun with reversible tip and guard 3000 psi (21 MPa, 207 bar) Maximum Working Pressure

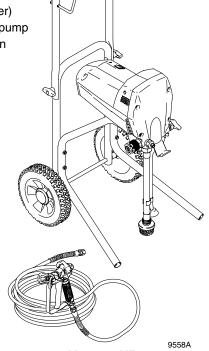
Magnum XR5, Model 232740, Series A

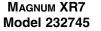
0.24 gpm (0.91 lpm) stand-mount sprayer, 25 ft (7.6 m) hose, and SG1 gun with reversible tip and guard

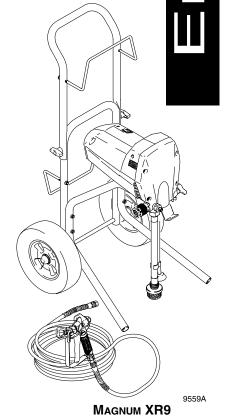


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Model 232750



GRACO INC. P.O. BOX 1441 MINNEAPOLIS, MN 55440-1441

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WARNINGS

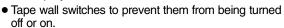
KNOW ALL HAZARDS BEFORE OPERATING SPRAYER!

FIRE AND EXPLOSION HAZARD

A Fire and explosion hazard exists any time you spray or flush flammable fluids.

To help prevent fire or explosion when spraying flammable fluids

- Be sure sprayer is adequately grounded through electrical outlet as follows:
 - Use only grounded electrical outlets.
- Use only 3-wire extension cords.
- Make sure ground prongs are intact on sprayer and extension cords.
- Motor in this sprayer is a source of sparks. Keep sprayer in well-ventilated area, at least 20 feet (6 meters) away from gun when spraying or flushing.
- Do not use plastic drop cloths when spraying or flushing flammable fluids.
- Avoid all ignition sources, such as pilot lights, cigarettes, and plastic drop cloths (static arc hazard). Do not plug in or unplug power cords or turn lights on or off in spray area.



- Do not smoke in spray area.
- Use only Magnum or Graco airless paint hoses.
- Use outdoors or in a well-ventilated area.



Do not use 1,1,1—trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents in pressurized aluminum equipment such as this sprayer and gun. Such use could result in chemical reaction and possible explosion.



TOXIC FLUID HAZARD

Hazardous fluid or toxic fumes can cause serious injury or death if splashed in eyes eyes or on skin, inhaled, or swallowed.

To help prevent injury or death from toxic fluids

- Know specific hazards of fluid you are using; store hazardous fluid in approved tub; dispose of hazardous fluid according to all local, state, and national guidelines.
- Always wear protective eyewear, gloves, clothing, and respirator as recommended by fluid and solvent manufacturer.

FLUID INJECTION HAZARD

If high-pressure fluid pierces skin, the injury might look like "just a cut" but is a serious wound. Get immediate medical attention.

To help prevent injection

- Always put trigger safety lever in SAFETY ON position when not spraying.
- Always shut off power and relieve pressure when you stop spraying and before you service or clean sprayer, remove parts, or repair leaks. See Pressure Relief Procedure below.
- Do not allow children to use this equipment.
- Keep clear of tip, and never point gun at yourself or anyone else.





SAFETY ON



pressure

STARTUP HAZARD AFTER THERMAL OVERLOAD

Motor has thermal overload switch to shut itself down if overheated. To reduce risk of injury from motor restarting unexpectedly when it cools, always turn Power switch OFF if motor shuts down.

FLUID SPLASHBACK HAZARD

To avoid splashing fluid when spraying into pail, always aim at inside wall of pail.

Make sure gun is assembled with correct gasket for fluid being sprayed. See **Instal**-

ling Tip & Guard in enclosed Operator's Quick Guide.



PRESSURIZED EQUIPMENT HAZARD

MAGNUM sprayers are capable of producing up to 3000 psi (21 MPa, 207 bar) maximum working pressure. To avoid component rupture and injury, do not operate sprayer with components rated less than pressure of sprayer.

Sprayer is equipped with a pressure drain that automatically relieves overpressure in the event of a fault condition. This automatic pressure relief may cause splashing of fluid. Correct fault before you resume spraying.

NOTE: Inadequate flushing and/or dried paint in drain system may prevent proper overpressure relief.

ELECTRIC SHOCK HAZARD

Gun, hose, and sprayer are grounded through electrical cord of sprayer.

To help prevent electric shock

- Use only grounded electrical outlets.
- Only use 3-wire extension cords.
- Make sure ground prongs are intact on sprayer and extension cords.
- \bullet Keep electrical connections and inside of shroud dry.



Pressure Relief Procedure (See Fluid Injection Hazard above)

1. Turn Power switch OFF.



Place prime tube in waste pail.



 Turn Spray/Prime valve to PRIME (pointing down) to relieve pump pressure.



Align the (bucket) symbol on the pressure control knob and the arrow on the sprayer.

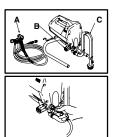


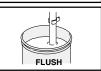


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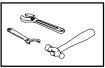
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Troubleshooting 10
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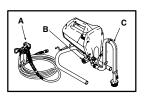
Problem	Solution



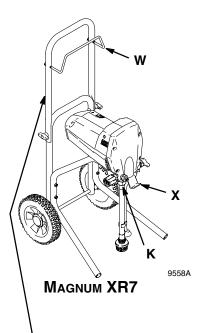
XR5	XR7	XR9







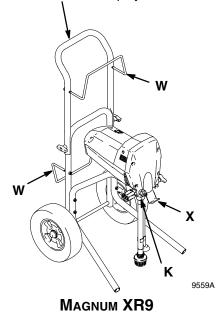
Component Identification and Function

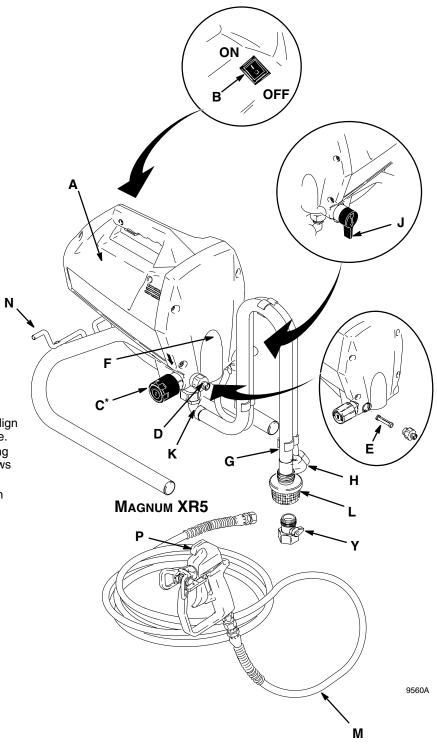


Connect cart handles on XR7 and XR9 as follows:

- Remove thumbscrews and bolts from cart frame.
- Position handle on frame as shown, and align bolt holes in handle with bolt holes in frame.
- Run bolts through holes with heads pointing toward each other, and tighten thumbscrews by hand.

NOTE: For space-saving configuration, loosen (but do not remove) thumbscrews, and fold handle forward over sprayer shroud.

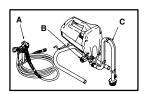




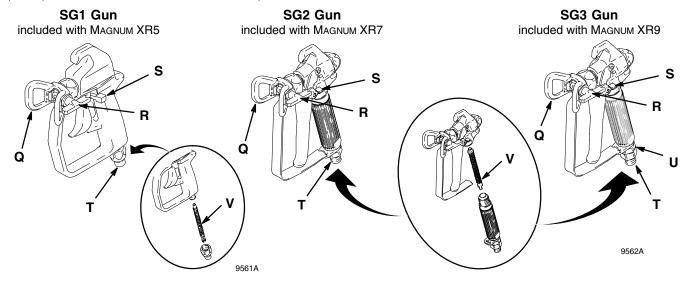
*To select a function, align the icon with the arrow on the sprayer.



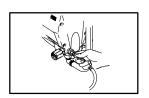
Component Identification and Function



Α	Electric motor (inside of shroud)	Provides mechanical power to pump
В	Power switch	For manually turning on/off electrical power to motor ("I" is ON / "0" is OFF)
С	Pressure Control knob	For manually increasing (turn clockwise) and decreasing (turn counter-clockwise) fluid pressure in pump, hose, and gun
D	Pump fluid outlet fitting	Threaded connection for paint hose
E	InstaClean fluid filter	 Filters fluid coming out of pump to reduce tip clogging and improve finish Self cleans during pressure relief
F	Power-Piston pump (behind cover)	Pumps and pressurizes fluid and delivers it to paint hose
G	Suction tube	Draws fluid from paint pail into pump
Н	Prime tube (with diffuser)	Drains fluid in system during priming and pressure relief
J	Spray/Prime valve control	 Directs pressurized fluid to paint hose in SPRAY position (pointing forward) Directs fluid to prime tube in PRIME position (pointing down) Automatically relieves system pressure in overpressure situations
K	Fluid inlet connection	Where suction tube connects to pump
L	Inlet screen	Prevents debris from entering pump
M	Paint hose	Transports high-pressure fluid from pump to gun
N	Cord wrap bracket	For stowing power cord (MAGNUM XR5 only)
Р	Airless spray gun	Manually-controlled, hand-held on/off device for fluid being sprayed
Q	Tip guard	Reduces risk of fluid injection injury
R	Reversible tip	Atomizes fluid being sprayed, forms spray pattern, and controls fluid flow according to hole size Reverses for unclogging without disassembly
S	Trigger safety lever	Prevents accidental triggering of gun
T	Gun fluid inlet fitting	Threaded connection for paint hose
U	Smooth Glide [™] swivel (SG3 gun only)	Allows gun to swivel without twisting paint hose
٧	Gun fluid filter (in handle)	Filters fluid entering gun to reduce tip clogging and improve finish
W	Hose/Cord wrap bracket	For stowing paint hose and power cord (MAGNUM XR7 and XR9 only)
Х	Pail hanger	For transporting pail by its handle (MAGNUM XR7 and XR9 only)
Υ	Power Flush attachment (included)	Connects garden hose to suction tube for power flushing water-base fluids







Preparing to Spray

For Setup, Priming, and Installing Tip & Guard instructions, see the enclosed Operator's Quick Guide.

Selecting a Tip Hole Size

Tips come in a variety of hole sizes for a range of fluids. Your Magnum sprayer includes the tip most likely to satisfy common spraying applications. Use the following table to determine the range of recommended tip hole sizes for each fluid type. If you need a tip other than the one supplied, see the **Reversible Tip Selection Chart** on page 14.

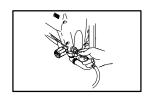
Tip Hole Sizes	Coatings				
(expressed as diameter, based on area of elliptical orifice)	lacquers and stains	enamels	oil-base primers and paints	interior latex paints	exterior latex paints
0.011 in. (0.28 mm)	Х				
0.013 in. (0.33 mm)	Х	Х	Х	Х	
0.015 in. (0.38 mm)		Х	Х	Х	Х
0.017 in. (0.43 mm)			Х	Х	Х
0.019 in. (0.48 mm)					Х

HINTS:

 The tip included with your sprayer is one size smaller than the maximum tip hole size the sprayer supports.
 As you spray, the tip wears and enlarges. Starting with a tip hole size smaller than the maximum will allow you to spray within the rated flow capacity of the sprayer while using the tip you selected. Maximum tip hole size that each Magnum sprayer supports is as follows:

XR5: New 0.015 in. (0.38 mm)XR7: New 0.017 in. (0.43 mm)XR9: New 0.019 in. (0.48 mm)

Preparing to Spray



Using the Right Tip for the Job

Consider the coating and the surface to be sprayed. Make sure you use the best tip hole size for that coating and the best fan width for that surface.

Tip Hole Size

Tip hole size controls the flow rate — the amount of paint that comes out of the gun.

HINTS:

- Generally, use larger tip hole sizes with thicker coatings and smaller tip hole sizes with thinner coatings.
- The maximum tip hole size that a sprayer can support is related to its maximum flow rate. The maximum tip hole size that each Magnum sprayer supports is as follows:
 - XR5: New 0.015 in. (0.38 mm)
 - XR7: New 0.017 in. (0.43 mm)
 - XR9: New 0.019 in. (0.48 mm)
- Tips wear with use and need periodic replacement.

Fan Width

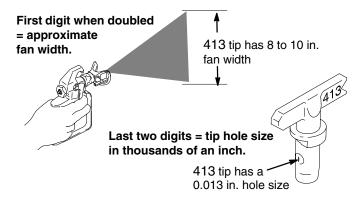
Fan width is the size of the spray pattern, which determines the area covered with each stroke. For a given tip hole size, narrower fans deliver a thicker coat, and wider fans deliver a thinner coat.

HINTS:

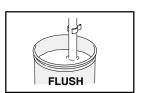
- Select a fan width best suited for the surface being sprayed.
- Wider fans allow for faster coverage on broad, open surfaces.
- Narrower fans allow for better control on small, confined surfaces.

Understanding the Tip Number

The last three digits of the tip number (example: RST413) contain information about the hole size and about the fan width on the surface when the gun is held 12 in. (30.5 cm) from the surface being sprayed.







Pail Flushing

₩ WARNING



See Fire and Explosion Hazard on page 2.

See Fluid Injection Hazard on page 2.

This is the procedure for pail flushing with a compatible flushing fluid. The assumed starting point for this procedure is as follows:

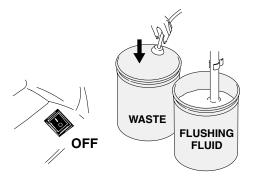
- You have just finished spraying.
- System is under pressure.
- · Power switch is OFF.

Pail Flushing HINTS:

- If the flushing fluid is water, use at least 4 gallons (15 liters).
- Keep the paint pail near. You will need it in Step 6 to get unused paint out of the hose.

NOTE: In Step 1, the sprayer must be under pressure for the InstaClean fluid filter system to be activated. If the sprayer has no pressure, it needs to be primed. See **Priming** in the enclosed *Operator's Quick Guide*.

 With Power switch OFF, lift suction tube and prime tube from paint pail, and let them drain into paint for awhile. Place suction tube in flushing fluid pail, and place prime tube in waste pail. Turn Spray/Prime valve to PRIME to relieve fluid pressure into waste pail.

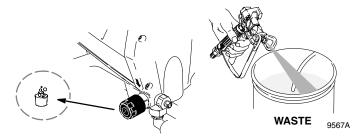




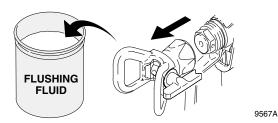
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2. Align the bucket symbol on the pressure control knob and the arrow on the sprayer. Trigger gun into waste pail to relieve pressure that might be in hose.

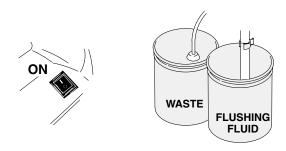
NOTE: To minimize splashing, aim gun at inside wall of empty waste pail.



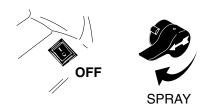
3. Remove tip & guard assembly from gun, and place in flushing fluid pail.



4. Turn Power switch ON. Continue flushing until about 1/3 of flushing fluid is gone from flushing fluid pail.



Turn Power switch OFF, and turn Prime valve to SPRAY.





Pail Flushing

FLUSH

Step 6 is for getting the paint in the hose back into the paint container. A 50-foot (15 m) section of hose holds approximately 1 quart (1 liter) of paint.

6. Trigger gun into paint pail, and turn Power switch ON. When flushing fluid comes out of gun, release trigger.



 Move gun to waste pail, and trigger it to flush pump, hose, and gun into waste pail. Continue until remaining flushing fluid is gone from flushing fluid pail.

NOTE: To minimize splashing, aim gun at inside wall of pail.





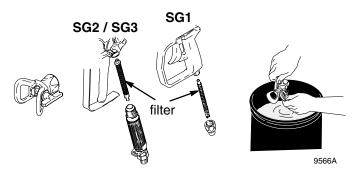
See Pressure Relief Procedure on page 2.

- 8. Relieve the pressure.
- Remove suction tube and prime tube from pails, and wipe residue from suction tube, prime tube, and inlet screen.

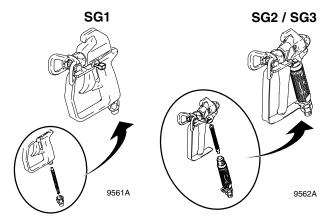


10. Clean tip & guard assembly and gun filter with water and a brush. Check InstaClean filter for debris. If needed, clean with water and a brush.

NOTE: See InstaClean Fluid Filter on page 12.



11. Reassemble tip & guard assembly and filter.



The sprayer is ready to spray a new coating or color compatible with the fluid you just flushed with. If the next coating is not compatible, flush with a compatible fluid before you spray again.

NOTE: If you are storing the sprayer, see **Preparing for Storage** in the enclosed *Operator's Quick Guide*.



Problem	Solution

Troubleshooting

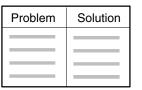
Check everything in this Troubleshooting table before you bring the sprayer to a Graco authorized service center.

For Basic Troubleshooting, see the enclosed Operator's Quick Guide.

PROBLEM	CAUSE	SOLUTION
Power switch (B) is on and sprayer is plugged in, but pump does not cycle.	Motor or control is damaged.	Return sprayer to Graco authorized service center.
Pump cycles but does not build up pressure.	Pump check valves are dirty or damaged.	Clean or replace check valves. See Pump Check Valves on page 12.
	Spray/Prime valve is worn or obstructed with debris	Return sprayer to Graco authorized service center.
Motor does not turn on when sprayer is plugged in and turned on.	Electrical outlet is not providing power or extension cord is damaged or sprayer power cord is damaged.	Try a different outlet or reset building circuit breaker or replace extension cord/power cord.
	Paint is frozen or hardened in	Unplug sprayer from electrical outlet.
	pump.	NOTE: If frozen, do not try to start sprayer until completely thawed, or damage to motor, control board, and/or drivetrain may occur.
		Make sure power switch (B) is OFF. Place sprayer in warm area for several hours, then plug in and turn on. Slowly increase pressure setting to see if motor starts.
		If paint hardened in sprayer, pump packings, valves, drivetrain, or pressure switch may need to be replaced.
Pressure is set at maximum, but	Tip is too big for sprayer.	Select a smaller tip. See Selecting a Tip Hole Size on page 6.
cannot achieve a good spray pattern.	Tip is worn beyond capability of sprayer.	Replace tip. See Installing Tip & Guard in enclosed <i>Operator's Quick Guide</i> .
	Extension cord is too long or not a heavy enough gauge.	Replace extension cord.
	Gun fluid filter is clogged.	Clean or replace gun fluid filter (V). See Gun Fluid Filter on page 12.
	InstaClean fluid filter is clogged.	Clean or replace InstaClean fluid filter (E). See InstaClean Fluid Filter on page 12.
	Inlet screen is clogged.	Clean debris off inlet screen (L).
	Pump valves are worn.	Check for worn pump valves as follows: Prime sprayer with paint (see Priming in enclosed <i>Operator's Quick Guide</i>). Trigger gun momentarily. When trigger is released, pump should cycle momentarily and stop. If pump continues to cycle, pump valves may be worn. See Pump Check Valves on page 12.
When paint is sprayed, it runs	Coat is going on too thick.	Move gun faster.
down the wall or sags.		Choose tip with smaller hole size.
		Choose tip with wider fan.
		Make sure gun is far enough from surface.
When paint is sprayed, coat is	Coat is going on too thin.	Move gun slower.
not covering.		Choose tip with larger hole size.
		Choose tip with narrower fan.
		Make sure gun is close enough to surface.

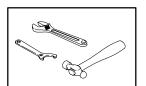


Troubleshooting



PROBLEM	CAUSE	SOLUTION
Motor is hot and runs intermittently.	Vent holes in shroud are plugged, or sprayer is covered.	Keep vent holes in shroud clear of obstructions and overspray, and keep sprayer open to air.
NOTE: This is a thermal overload condition. Motor will	Extension cord is too long or not a heavy enough gauge.	Replace extension cord.
automatically shut off due to excessive heat. See Startup Hazard After	Unregulated electrical generator being used has excessive voltage.	Use electrical generator with a proper voltage regulator. Sprayer requires a 120V AC, 60 Hz, 1500-Watt generator.
Thermal Overload on page 2. Damage can occur if cause is not corrected.	Sprayer was operated at high pressure with small tip, which caused frequent motor starts and excessive heat build up.	Decrease pressure setting, or increase tip size.
Building circuit breaker opens after sprayer operates for 5 to	Too many appliances are plugged in on same circuit.	Free up circuit (unplug things), or use a less busy circuit.
10 minutes. OR Building circuit breaker opens as soon as sprayer is plugged into outlet, and sprayer is turned on.	Extension cord is damaged or too long or not a heavy enough gauge.	 Plug in something that you know is working to test extension cord. Replace extension cord.
	Sprayer power cord is damaged.	Check for broken insulation or wires. Replace power cord if damaged.
Fan pattern varies dramatically while spraying or sprayer does not turn on promptly when resuming spraying.	Pressure control switch is worn and causing excessive pressure variation.	Return sprayer to Graco authorized service center.
Spray comes out of gun in two thick streams.	Reversible tip is in UNCLOG position.	Rotate arrow-shaped handle on tip so it points forward in SPRAY position.
Paint is coming out of pressure control switch.	Pressure control switch is worn.	Return sprayer to Graco authorized service center.
Pressure drain actuates automatically, relieving pressure through prime tube.	System is overpressurizing.	Return sprayer to Graco authorized service center.
Paint leaks down outside of pump.	Pump packings are worn.	Replace pump packings. See Pump Packings on page 12.





Maintenance and Service

A CAUTION

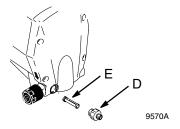
Protect the internal drive parts of this sprayer from water. Openings in the shroud allow for air cooling of the mechanical parts and electronics inside. If water gets into these openings, the sprayer could malfunction or be permanently damaged.

Caring for Sprayer

Keep the sprayer and all accessories clean and in good working order. To avoid overheating of motor, keep vent holes in shroud clear for air flow. Do not cover the sprayer while spraying.

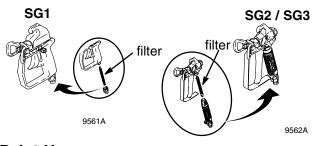
InstaClean Fluid Filter

The InstaClean fluid filter (E) self cleans during pressure relief. Some embedded particles may require manual cleaning. Remove pump fluid outlet fitting (D) to remove and check InstaClean filter. Replace if damaged.



Gun Fluid Filter

Clean the gun fluid filter with compatible solvent and a brush every time you flush the system. Replace when damaged.



Paint Hoses

Check hose for damage every time you spray. Do not attempt to repair hose if hose jacket or fittings are damaged. Do not use hoses shorter than 25 ft (7.6 m).

Tips

Always clean tips with compatible solvent and a brush after spraying.

Tips may require replacement after spraying 15 gallons (57 liters), or they may last through 60 gallons (227 liters), depending on the abrasiveness of the paint. Do not spray with a worn tip.

Pump Check Valves

Inadequate flushing of paint can cause the inlet valve check balls to stick to the seats. If the pump does not prime after 30 seconds of cycling, try tapping the inlet valve with a small wrench to jar the balls loose.

NOTE: Excessive shock will fracture or cause other damage to the pump.



If the sprayer continues to cycle (motor and pump run) after you release the gun trigger, the pump valves may be obstructed or worn. If they are worn, the XR Valve Kits (shown **Kits Diagram**) are available.

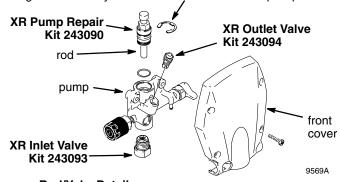
HINT: To be certain about whether the inlet valve ball is sticking, you can unscrew the inlet valve from the pump and check it. Magnum XR7 and XR9 sprayers allow for inlet valve removal without removing the suction tube.

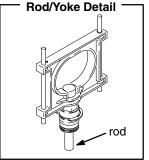
Pump Packings

When the pump packings wear, paint will begin to leak down the outside of the pump. Replace the pump packings at the first sign of leaking, or additional damage could occur. Obtain an XR Pump Repair Kit (shown in **Kits Diagram**), and install according to the instructions on the kit packaging.

Kits Diagram

HINT: If leaking occurs in the middle of a paint job, remove this clip, and tighten the existing packing module all the way down. This will allow you to spray a few more gallons before you have to install the XR Pump Repair Kit.





For best cover alignment, tighten lower two cover screws first, then top two. Torque screws to 70 to 80 in-lb (8 to 9 N•m).



Technical Data



	MAGNUM XR5	MAGNUM XR7	MAGNUM XR9
Working pressure range	0 to 2800 psi (0 to 19 MPa, 0 to 193 bar)	0 to 3000 psi (0 to 21 MPa, 0 to 207 bar)	0 to 3000 psi (0 to 21 MPa, 0 to 207 bar)
Electric motor (open-frame, permanent magnet DC)	5.8 Amp	5.8 Amp	4.9 Amp
Operating horsepower	5/8	3/4	7/8
Maximum delivery (with tip)	0.24 gpm (0.91 lpm)	0.31 gpm (1.17 lpm)	0.38 gpm (1.44 lpm)
Paint hose	25 ft (7.6 m) x 1/4 in.	50 ft (15.2 m) x 1/4 in.	50 ft (15.2 m) x 1/4 in.
Maximum tip hole size	0.015 in. (0.38 mm)	0.017 in. (0.43 mm)	0.019 in. (0.48 mm)
Weight, sprayer only	21 lb (10 kg)	31 lb (14 kg)	35 lb (16 kg)
Weight, sprayer, hose, & gun	24 lb (11 kg)	36 lb (17 kg)	40 lb (18 kg)
Dimensions	13.75 in. (34.9 cm) L 11 in. (27.9 cm) W 17 in. (43.2 cm) H	19.5 in. (49.5 cm) L 17.25 in. (43.8 cm) W 40.75 in. (103.5 cm) H Height with folded handle is 26 in. (66 cm)	19.5 in. (49.5 cm) L 19 in. (48.3 cm) W 40 in. (101.6 cm) H Height with folded handle is 26 in. (66 cm)
Power cord	16 AWG, 3 wire, 6 ft (1.8 m)	16 AWG, 3 wire, 6 ft (1.8 m)	16 AWG, 3 wire, 10 ft (3 m)
Pump inlet fitting	3/4 in. internal thread (standard garden hose thread)		
Fluid outlet fitting	1/4 npsm external thread		
Inlet screen on suction tube	14 mesh (1300 micron)		
Wetted parts, pump & hose	stainless steel, brass, leather, ultra-high molecular weight polyethylene (UHMWPE), carbide, nylon, PVC, zinc-aluminum alloy		
Wetted parts, gun	SG1: aluminum, brass, carbide, nylon, plated steel, stainless steel, UHMWPE		
	SG2 / SG3: aluminum, brass, carbide, nylon, plated steel, stainless steel, UHMWPE, zinc		
Generator requirement	1500 Watt minimum		
Electrical power requirement	120V AC, 60 Hz, 1 phase, 15A		
Storage temperature range * †	−30° to 160° F (−35° to 71° C)		
Operating temperature range **	40° to 115° F (4° to 46° C)		

- * When pump is stored with non-freezing fluid.
- † Damage to plastic parts may result if impact occurs in low-temperature conditions.
- ** Changes in paint viscosity at very low or very high temperatures can affect sprayer performance.





Accessories

Reversible Tip Selection Chart

Maximum tip hole size that each Magnum sprayer supports is as follows:

XR5: New 0.015 in. (0.38 mm) XR7: New 0.017 in. (0.43 mm) XR9: New 0.019 in. (0.48 mm)

Tip Part No.	Fan Width 12 in. (305 mm) from surface	Hole Size
RST411	8 to 10 in. (203 to 254 mm)	0.011 in. (0.28 mm)
RST511	10 to 12 in. (254 to 305 mm)	0.011 in. (0.28 mm)
RST313	6 to 8 in. (152 to 203 mm)	0.013 in. (0.33 mm)
RST413	8 to 10 in. (203 to 254 mm)	0.013 in. (0.33 mm)
RST415	8 to 10 in. (203 to 254 mm)	0.015 in. (0.38 mm)
RST515	10 to 12 in. (254 to 305 mm)	0.015 in. (0.38 mm)
RST417	8 to 10 in. (203 to 254 mm)	0.017 in. (0.43 mm)
RST517	10 to 12 in. (254 to 305 mm)	0.017 in. (0.43 mm)
RST519	10 to 12 in. (254 to 305 mm)	0.019 in. (0.48 mm)
RST619	12 to 14 in. (305 to 356 mm)	0.019 in. (0.48 mm)

Example: For an 8 to 10 in. (203 to 254 mm) fan width and a 0.013 in. (0.33 mm) hole size order Part No. RST413.

Reversible tips must be installed in reversible tip guards.

Reversible Tip Guards

243000 11/16 in. (17 mm) thread **243001** 7/8 in. (22 mm) thread

Reversible Tip Gaskets and Seat

243004 Includes

1 black rubber gasket

• 1 seat

Airless Spray Guns

243010 SG1 gun

With 413 reversible tip and guard

243011 SG2 metal gun

With 515 reversible tip and guard

243012 SG3 pro metal gun

With 517 reversible tip, guard, and Smooth

Glide swivel

Gun and Hose Kit

243105 Includes

 SG3 pro metal gun with 517 reversible tip, guard, and Smooth Glide swivel

 Airless paint hose, 1/4 in. x 50 ft (6.3 mm x 15.2 m)

Airless Paint Hoses, 3000 psi (21 MPa, 207 bar)

243020 Airless whip hose

3/16 in. x 4 ft (4.8 mm x 1.2 m)

Provides flexibility and increases operator

control of gun

243022 Airless paint hose

1/4 in. x 25 ft. (6.3 mm x 7.6 m) With 1/4 in. (6.3 mm) connectors

243024 Airless paint hose

1/4 in. x 50 ft (6.3 mm x 15.2 m) With 1/4 in. (6.3 mm) connectors

243025 Hose connector

1/4 in. x 1/4 in. (6.3 mm x 6.3 mm)

Tip Extensions

Attach to SG1, SG2, and SG3 guns to extend reach when spraying ceilings, overhangs, and decks

243040 10 in. (25 cm) 243041 15 in. (38 cm) 243042 20 in. (50 cm) 243043 30 in. (75 cm)

Heavy-Duty Extensions

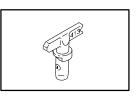
Attach to SG1, SG2, and SG3 guns to extend reach when spraying or pressure rolling

With 7/8 in. (22 mm) thread

243051 20 in. (50 cm) **243052** 40 in. (100 cm)



Accessories



Extension Adapters

243055 Gun adapter

Fits 11/16 in. (17 mm) gun to provide a

7/8 in. (22 mm) thread

243056 Easy Turn™ 180° directional spray nozzle

Attaches to heavy-duty extension or spray

gun to spray at any angle

243056 45° swivel gun connector

Attaches to heavy-duty extension or spray gun to provide a comfortable operating angle

Pressure Roller

Provides delivery of paint to roller through spray gun

243060 Includes

• 20 in. (50 cm) extension

45° gun adapter

• 9 in. (23 cm) roller frame

• 1/2 in. (13 mm) nap roller cover

243061 9 in. (23 cm) roller frame

(roller covers sold separately)

9 in. (23 cm) Pressure Roller Covers

Covers are perforated to allow paint flow through nap

243063 1/2 in. (13 mm) nap **243064** 3/4 in. (19 mm) nap **243065** 1-1/4 in. (32 mm) nap

Repair Kits

243090 XR Pump Repair Kit

Includes pump packings, piston rod, and

retainers

243092 SG2 and SG3 Gun Repair Kit

Includes

• 1 needle valve

1 seat

1 gasket

1 locknut

243093 XR Inlet Valve Kit

Includes replacement inlet valve

243094 XR Outlet Valve Kit

Includes replacement outlet valve

Gun Filters

For removing debris from paint to reduce tip clogging and improve finish

243076 For SG1 gun, 2-pack

Includes

50 mesh filter100 mesh filter

243084 For SG2 and SG3 gun, 2-pack

Includes

• 50 mesh filter

• 100 mesh filter

243085 For SG2 and SG3 gun

Includes 50 mesh filter

243086 For SG2 and SG3 gun

Includes 100 mesh filter

Sprayer Filter and Inlet Screen

For removing debris from paint to prolong pump life, reduce tip clogging, and improve finish

243070 InstaClean fluid filter, 40 mesh

For fluid outlet on Magnum sprayers

243082 Inlet screen, 14 mesh

For suction tube on Magnum sprayers

Hose Straps

243101 Hose straps, 2-pack

Holds coiled hose in place during storage and

transport

Pump Armor Fluid

243104 Pump Armor, 1 quart (0.95 liter)

Protects system components during storage



YEAR Limited Warranty

Limited Warranty

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