



# Airless Accessories

Essential Tools for Maximum Productivity and Performance



PROVEN QUALITY. LEADING TECHNOLOGY.

## Airless Accessories



Essential Tools for Maximum Productivity and Performance



Airless Spray Guns  
Gun and Hose Kits  
Airless Tips

Tip Guards, Seals & Gaskets  
Airless Hose & Hose Fittings  
Pressure Rollers & Accessories

Pole Guns & Accessories  
Strainers & Filters  
Fluids and Pump Lowers



*"Graco equipment is known for its reputation and accessibility for parts and accessories. I am always assured of them having the tips, hoses and repair kits necessary, regardless of where I am. I purchased Graco because of the quality and pride manufactured into their products."*

- Bill Hogan -  
A-One Painting  
Mountain Home, Idaho



## Features

### Saves Time & Money

- Combines rolling and spraying into one action

### In-line Valve

- Eliminates dipping the roller in paint and is up to 2x faster than standard rolling

### Easily Detachable Handle

- Use the spray extension or hand roller independently

### CleanShot™ Shut-Off Valve

- Eliminates spits and drips

### Minimal Prep Time Required

- Very low overspray design means less area preparation
- Suitable for finish coats in furnished spaces

### Flexible

- Uses industry standard roller covers and extensions (Roller cover not included)



# JetRoller

Lightweight and portable, the JetRoller consists of a spray roller, a spray extension and a hand roller in one complete kit. It fits existing airless sprayers and is the ideal time-saving addition to your painting arsenal. The JetRoller combines rolling and spraying into one action, saving time and labor on spray/back roll projects. Ideal for rough or porous surfaces, the JetRoller minimizes overspray and delivers a consistent quality finish.

DESCRIPTION	PART #
JetRoller System	24U170
<b>INCLUDES</b>	
• 23 cm Roller Handle Assembly	
• 30 cm Roller Handle Extension	
• 50 cm Heavy Duty Extension	
• CleanShot Shut-Off Valve	
• Rac X 721 Switch Tip and Guard	
JetRoller System	24U172
<b>INCLUDES</b>	
• 23 cm Roller Handle Assembly	
• 30 cm Roller Handle Extension	
• 50 cm Heavy Duty Extension	
• CleanShot Shut-Off Valve	
• Rac X 721 Switch Tip and Guard	
• Contractor In-Line Valve	
JetRoller System	24X605
<b>INCLUDES</b>	
• 27 cm Roller Handle Assembly	
• 30 cm Roller Handle Extension	
• 50 cm Heavy Duty Extension	
• CleanShot Shut-Off Valve	
• Rac X 821 Switch Tip and Guard	
• Contractor In-Line Valve	
JetRoller System	24W128
<b>INCLUDES</b>	
• 46 cm Adjustable Roller Handle Assembly	
• 30 cm Roller Handle Extension	
• 50 cm Heavy Duty Extension	
• CleanShot Shut-Off Valve	
• WR 1223 Switch Tip and Guard	
• Contractor In-Line Valve	
JetRoller Parts/Accessories	
23 cm Roller Handle Assembly	24V829
27 cm Roller Handle Assembly	24X651
30 cm Roller Handle Extension	24V832
45° Adapter	224399
1.8 m BlueMax II Whip Hose	238359
46 cm Roller Handle Assembly	24W130



# Contractor™ & FTx™ Guns

## Exclusive FlexSeal™ Design

The Contractor and FTx Guns from Graco are designed to be the longest lasting, most reliable airless spray guns! You'll get the maximum performance, reliability and comfort that you've come to expect from Graco.

### Exclusive FlexSeal Totally Enclosed Needle Design (patent-pending)

- Revolutionary needle design has no exposure to paint resulting in 70% longer life!
- Fluid pressure in the gun pushes on the FlexSeal to quickly shut-off needle.
- Needle is completely enclosed – paint no longer contacts the needle, reducing wear.



### Consistent Needle Shut-Off

- Spring is outside of the fluid path to eliminate pack out and slow needle shut-off.

### Ergonomic Gun Handle

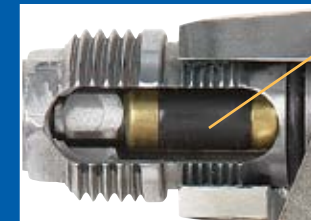
- Contractor gun's form-fitted handle maximizes operator control and comfort.

### Durable Nickel Finish

- Premium nickel finish is corrosion resistant and easier to clean.

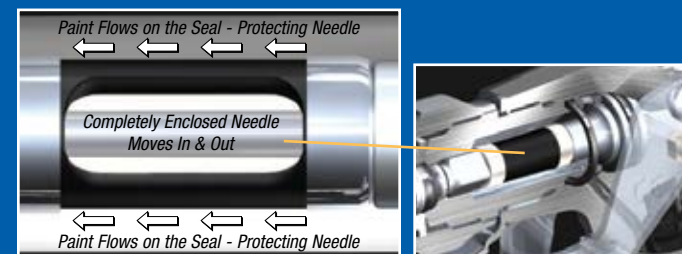
### Reduced Gun Spitting

- Seat has been re-positioned closer to the tip, 60% "dead space" eliminated.
- Reduced amount of paint left between needle and tip for less spitting on next trigger pull.
- FlexSeal ensures quick shut-off.



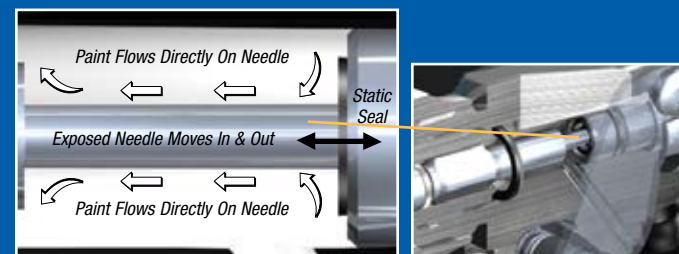
## GRACO VS OTHER INDUSTRY-STANDARD NEEDLE DESIGNS

### Graco's FlexSeal Totally Enclosed Needle Design



Needle is completely enclosed by the FlexSeal to provide consistent and quick shut-off, reducing spitting.

### Other Industry Standard Gun Needle Designs



Paint flows directly on needle that moves in and out of a static seal – resulting in needle wear with every trigger pull.

Introducing the, innovative Contractor and FTx Guns from Graco. Designed to be the longest-lasting guns on the market and continue to be the #1 choice of painting contractors!

### Exclusive FlexSeal Design

- Totally enclosed needle design (patent pending) eliminates exposure to fluid and extends needle life by 70%
- Fluid pushes on seal to quickly shut-off needle and reduce spitting
- Spring located outside fluid path for less fluid restriction and better flow

### Modular Needle Cartridge

- Easiest gun to service on the market
- Simply remove trigger cross pin and unthread front housing to change out needle

### Ergonomic Contractor Gun Handle

- Form-fit handle provides maximum control and comfort while spraying
- Overall weight is lighter than other airless guns on the market, reducing operator fatigue

### Trigger Lock & Gun Trigger

- Smooth, lightweight trigger pull with simple, thumb-engaged safety lock
- Contractor 2-finger trigger provides more control of the gun while spraying

### Detachable Trigger Guard

- Detaches from bottom and swings clear of gun handle for easy access to gun filter

### Easy Out™ Gun Filter

- Filters from the inside out to prevent filter from collapsing
- Interchangeable with Contractor II & FTx II Guns

### EasyGlide™ Swivel

- Exclusive dual-seal swivel design reduces sealing friction under pressure, making this the best swivel on the market!

# Contractor & FTx Guns

## Exclusive FlexSeal™ Design



DESCRIPTION	PART NUMBER	TRIGGER	TIP INCLUDED	GUARD
Contractor Gun	288420	2-Finger	RAC X 517	RAC X
Contractor Gun	288425	4-Finger	RAC X 517	RAC X
Contractor Gun	288421	2-Finger	RAC 5 517	RAC 5
FTx Gun	288430	4-Finger	RAC X 515	RAC X
FTx Gun	288429	2-Finger	RAC X 515	RAC X
FTx Gun	288431	4-Finger	RAC 5 515	RAC 5



FTx 4-finger gun trigger – full length trigger is easier to hold in continuous spray.



Modular needle cartridge – easiest gun to service on the market.



Totally enclosed needle design eliminates exposure to fluid and extends needle life.

## Silver Plus™ Gun



The Silver Plus Airless Gun is known for its durability, long life, spraying performance and comfortable design. It is the preferred gun for high pressure applications.

### Lightweight, Rugged Design

- Forged aluminum is durable to withstand harsh work environments
- Lighter weight than leading competitive guns
- Polished body is easy to clean

### Exclusive Needle Design

- Factory set needle - no trigger adjustments needed
- Needle is guaranteed for life against breakage
- Maximum performance and long life

### 2-Finger Trigger Design and Handle

- Form fitted handle for less fatigue
- 2-finger design provides more control of gun while spraying

### Stainless Steel Fluid Tube

- Fluid flows directly to the tip through the gun fluid tube - ability to spray heavier materials such as high solid coatings and mastics at up to 5000 psi (345 bar, 34.5 MPa)

### RAC X™ SwitchTip™ and HandTite™ Guard

- Exceptional life, pattern and finish
- Seals when hand tightened - no tools required
- Quickly change from vertical to horizontal spray without loosening guard nut

### Light Viscosity Needle Kit

- Included in Silver gun, part number 235462, or as an optional Needle Kit, part number 235475
- Provides faster shut-off which reduces spitting of light viscosity material

DESCRIPTION	PART NUMBER	TRIGGER	TIP INCLUDED	GUARD
Silver Plus	246240	2-Finger	RAC X 517	RAC X
Silver Plus	243283	2-Finger	RAC 5 517	RAC 5
Silver Plus	235460	2-Finger	Not Included	Flat Tip
Silver Plus	235462	2-Finger	Not Included	Fine Finish Flat Tip

#### OPTIONAL ACCESSORIES



Whip Hose provides more flexibility and increased operator control at the gun (238358).



Gun Filter Housing w/ Replaceable Tip Filters (210500 uses 224454 or 224453 tip filters).



Swivel for improved maneuverability at the gun (224457).

### Contractor Gun



### FTx Gun



### Silver Plus Gun



### Heavy Duty Texture Gun



### Flex Plus™ Gun



### SG3™ Gun



## Airless Spray Gun Specifications

PART NUMBER	TRIGGER	TIP	GUARD
288420	2-Finger	RAC X 517	RAC X
288425	4-Finger	RAC X 517	RAC X
288421	2-Finger	RAC 5 515	RAC 5
• <b>Repair Kit:</b> 288488		• <b>Working Pressure:</b> 3600 psi (248 bar, 24.8 MPa)	
• <b>Instruction Manual:</b> 311861		• <b>Fluid Orifice Diameter:</b> 3.2 mm (0.125 in)	

PART NUMBER	TRIGGER	TIP	GUARD
288430	4-Finger	RAC X 515	RAC X
288429	2-Finger	RAC X 515	RAC X
288431	4-Finger	RAC 5 515	RAC 5
• <b>Repair Kit:</b> 288488		• <b>Working Pressure:</b> 3600 psi (248 bar, 24.8 MPa)	
• <b>Instruction Manual:</b> 311861		• <b>Fluid Orifice Diameter:</b> 3.2 mm (0.125 in)	

PART NUMBER	TRIGGER	TIP	GUARD
246240	2-Finger	RAC X 517	RAC X
243283	2-Finger	RAC 5 517	RAC 5
235460	2-Finger	Not Included	Flat Tip
235462	2-Finger	Not Included	Fine Finish Flat Tip
• <b>Repair Kit:</b> 235474 (For 235462, use repair kit 235475)		• <b>Working Pressure:</b> 5000 psi (345 bar, 34.5 MPa)	
• <b>Instruction Manual:</b> 309740		• <b>Fluid Orifice Diameter:</b> 2.3 mm (0.090 in) 0.94 mm (0.037 in): 235462 for light viscosity materials	

PART NUMBER	TRIGGER	TIP	GUARD
241705	4-Finger	RAC X 531	Heavy Duty RAC
• <b>Repair Kit:</b> 237260		• <b>Working Pressure:</b> 4000 psi (276 bar, 27.6 MPa)	
• <b>Instruction Manual:</b> 308491		• <b>Fluid Orifice Diameter:</b> 3.2 mm (0.125 in)	
• Unique design with large fluid passages, heavy duty spring and 4-finger trigger makes this gun ideal for high solids, smooth textures, mastics, and protective coatings			

PART NUMBER	TRIGGER	TIP	GUARD
246468	2-Finger	RAC X 517	RAC X
248157	2-Finger	RAC 5 LineLazer™ 319	RAC 5
• <b>Repair Kit:</b> 235474		• <b>Working Pressure:</b> 5000 psi (345 bar, 34.5 MPa)	
• <b>Instruction Manual:</b> 309741		• <b>Fluid Orifice Diameter:</b> 2.3 mm (0.090 in)	
• Lightest weight gun, available for airless spray and line striping applications			
• Airless hose connects directly to gun through spring guard mount on handle base			

PART NUMBER	TRIGGER	TIP	GUARD
246506	4-Finger	RAC 5 515	RAC 5
• <b>Repair Kit:</b> 243092		• <b>Working Pressure:</b> 3600 psi (248 bar, 24.8 MPa)	
• <b>Instruction Manual:</b> 309045		• <b>Fluid Orifice Diameter:</b> 3.2 mm (0.125 in)	
• Fully featured, economy gun w/ composite back cap and trigger lock			
• In-handle filter and built-in hose swivel for top spraying performance			



# Gun and Hose Kits

## RAC X



	GUN	BLUEMAX II AIRLESS HOSE	HOSE WPR	TIP	INCLUDES
288489	Contractor	6.4 mm x 15 m (1/4 in x 50 ft)	3300 psi (227 bar, 22.7 MPa)	RAC X 517	HandTite Guard, 0.9 m (3 ft) Whip Hose
288490	Contractor	9.5 mm x 15 m (3/8 in x 50 ft)	3300 psi (227 bar, 22.7 MPa)	RAC X 517	HandTite Guard, 0.9 m (3 ft) Whip Hose
288500	Contractor	9.5 mm x 15 m (3/8 in x 50 ft)	3300 psi (227 bar, 22.7 MPa)	RAC 5 517	HandTite Guard, 0.9 m (3 ft) Whip Hose
288493	FTx	6.4 mm x 15 m (1/4 in x 50 ft)	3300 psi (227 bar, 22.7 MPa)	RAC X 515	HandTite Guard,
287041	Silver Plus	6.4 mm x 15 m (1/4 in x 50 ft)	3300 psi (227 bar, 22.7 MPa)	RAC X 517	HandTite Guard, 0.9 m (3 ft) Whip Hose
287042	Silver Plus	9.5 mm x 15 m (3/8 in x 50 ft)	3300 psi (227 bar, 22.7 MPa)	RAC X 517	HandTite Guard, 0.9 m (3 ft) Whip Hose
287043	Silver Plus	9.5 mm x 15 m (3/8 in x 50 ft)	4000 psi (276 bar, 27.6 MPa)	RAC X 517	HandTite Guard, 0.9 m (3 ft) Whip Hose
287095	Flex Plus	6.4 mm x 15 m (1/4 in x 50 ft)	3300 psi (227 bar, 22.7 MPa)	RAC X 517	HandTite Guard, 0.9 m (3 ft) Whip Hose
287850	Silver Plus (3/8 in x 50 ft)	9.5 mm x 15 m (276 bar, 27.6 MPa)	4000 psi	RAC X 517	HandTite Guard, RAC X 655Tip 6.3 mm x 0.9 m (1/4 in x 3 ft) Whip Hose
287851	Flex Plus	9.5 mm x 15 m (3/8 in x 50 ft)	4000 psi (276 bar, 27.6 MPa)	RAC X 517	HandTite Guard, RAC X 655 Tip 6.3 mm x 0.9 m (1/4 in x 3 ft) Whip Hose
241338	HD Texture	9.5 mm x 15 m (3/8 in x 50 ft)	3300 psi (227 bar, 22.7 MPa)	RAC X 531	RAC X Guard, RAC X 427 Tip 6.4 mm x 0.9 m (1/4 in x 3 ft) Whip Hose
287852	HD Texture	9.5 mm x 15 m (3/8 in x 50 ft)	4000 psi (276 bar, 27.6 MPa)	RAC X 531	RAC X Guard, RAC X 655 Tip 6.4 mm x 0.9 m (1/4 in x 3 ft) Whip Hose

## RAC X FINE FINISH



	GUN	BLUEMAX II AIRLESS HOSE	HOSE WPR	TIP	INCLUDES
288501	Contractor	4.8 mm x 7.5 m (3/16 in x 25 ft)	3300 psi (227 bar, 22.7 MPa)	RAC X FFT210	HandTite Guard, FFT312 Tip 25 cm (10 in) Tip Extension (2) 100 Mesh Gun Filters Solvent Seal Kit Cleaning Brush
287823	Silver Plus .94 mm (.037 in) orifice	4.8 mm x 7.5 m (3/16 in x 25 ft)	3300 psi (227 bar, 22.7 MPa)	RAC X FFT210	HandTite Guard, FFT312 Tip 25 cm (10 in) Tip Extension (2) 100 Mesh Tip Filters Gun Filter Housing Solvent Seal Kit Cleaning Brush

# Gun and Hose Kits and Adapters

## RAC 5



	GUN	BLUEMAX II AIRLESS HOSE	HOSE WPR	TIP	INCLUDES
288496	Contractor	6.4 mm x 15 m (1/4 in x 50 ft)	3300 psi (227 bar, 22.7 MPa)	RAC 5 517	HandTite Guard, 0.9 m (3 ft) Whip Hose
288497	FTx	6.4 mm x 15 m (1/4 in x 50 ft)	3300 psi (227 bar, 22.7 MPa)	RAC 5 515	HandTite Guard
243321	Silver Plus	6.4 mm x 15 m (1/4 in x 50 ft)	3300 psi (227 bar, 22.7 MPa)	RAC 5 517	HandTite Guard, 0.9 m (3 ft) Whip Hose

## GUN ADAPTERS



**210500** Gun Filter Housing - connects to gun inlet for added filtration. Use tip filters 224454 and 224453.  
 • 1/4 in npsm(m), 1/4 in npsm(f), Maximum Working Pressure: 5000 psi (345 bar, 34.5 MPa)



**224457** Gun Swivel - provides a swiveling joint between gun and hose for free gun movement. Install at gun inlet.  
 • 1/4 in npsm(m), 1/4 in npsm(f), Maximum Working Pressure: 3600 psi (248 bar, 24.8 MPa)

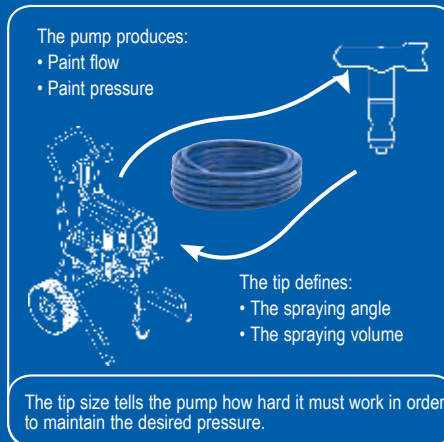


**181085** Gun Adapter - converts 17.5 mm (11/16 in) gun thread on competitive guns to accept the 22 mm (7/8 in) thread used on most Graco accessories.

## Tips

### How Do Tips Work?

- An airless sprayer pumps and pressurizes the paint without the use of air.
- The paint is then forced to go through the small orifice of the tip under high pressure (up to 350 bar).
- This process atomizes the paint in a controlled fan width and flow rate (same effect as placing your thumb on the end of a garden hose)



### Why So Many Different Tips and Sizes?

You can compare it to choosing the right bit for your electric drill. There are bits designed for wood, bits for metal and bits for concrete. Each bit for each application comes in a variety of sizes. Using the wrong bit on the wrong surface does not work. With airless tips it is very similar.

### Choosing the Right Tip

- decreases overspray
- provides more control
- results in less time to spend on the job
- less paint usage
- and higher profits

### How to Choose the Right Tip?

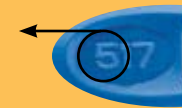
Getting the most from your spray tip depends on several factors:

- The tip's fan width
- The tip's orifice size
- Your sprayer's maximum output
- The type of paint you are spraying
- The type of surface you are spraying
- Tip wear

### The Fan Width

of a tip is defined by its spray angle when spraying at 30 cm distance from the surface. The angle is indicated with one number only:

- 5 in this case corresponds to an angle of 50°.
- To obtain the fan width, multiply the number of the angle by 5:
- $5 \times 5 = 25$  cm fan width



### Wide RAC®

The wider the spray pattern, the faster the surface is painted. Wide spraying greatly improves productivity.

However, wide spraying is difficult to control and wide spray tips are not available in all sizes. Graco provides a special range of RAC X™ tips, WAxxxx, specifically cut to provide a superb result at a wide angle, saving you time.

### The Orifice Size

defines the amount of paint that will flow through the tip. It is indicated by the last two digits:

- 17 in this case corresponds to a hole size of 0.017 of an inch or 0.43 mm

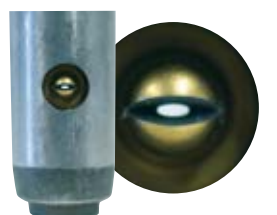
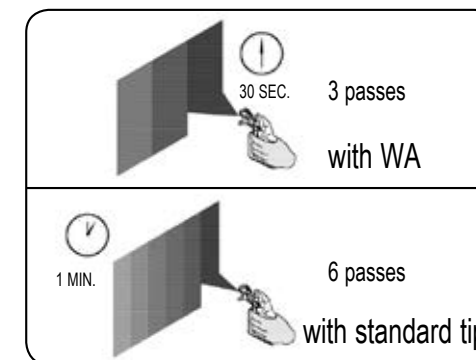
Your actual flow rate will depend on your spraying pressure and the paint you are using: high pressure equals more flow; heavier paints equal less flow.



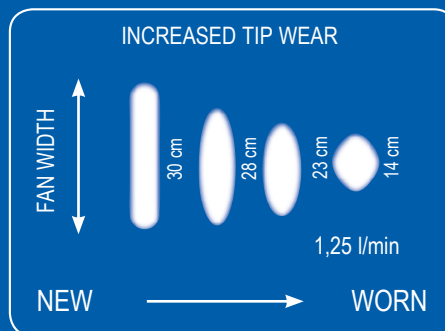
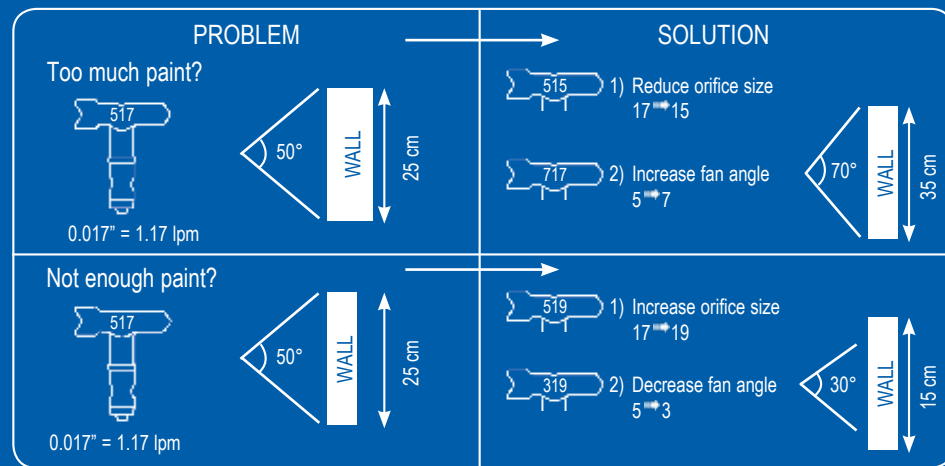
### Every Sprayer Has A Maximum Output Level

It is important never to exceed the maximum spray tip size that your machine can handle.

Example: if you require 4,4 l/min the smallest sprayer recommended is the Ultra Max II 1095.



## Tips



- Fan width decreases  
+ = more passes necessary = more labour
  - orifice size increases = more paint comes out  
= more material cost
- TOTAL: TWICE THE LABOUR!  
+ 30% more paint for the same surface!



Note that by using a worn out tip you might surpass the maximum output of your sprayer. Using a worn out tip will end up costing you much more than the cost of replacing a tip (labour + paint).

### Adjusting to the Right Tip

Based on this general information, you will be able to choose the appropriate tip for your application. Experiencing with a few tips will help you gain experience and will help you decide what is the optimum tip for your application. Ask your distributor or your Graco representative for specific tip size recommendations.

### Tips Do Wear and Will Need Replacement

The two main causes for tip wear are:

- Working pressure at the gun
- Abrasive material

To explain what tip wear is and what this means to your business, think again of the similarities between spray tips and drill bits. Have you ever tried to drill into concrete using a worn out bit? If you have, then you know that it takes much longer to drill, takes much more effort and the drilled hole ends up being very unprofessional. It is the same with continuing to spray with a worn out tip.

What happens when a tip wears?

Graco has developed a full-range RAC X SwitchTip product line to cover every application on the market today! RAC X SwitchTips include larger sizes for heavy-duty applications requiring 4000 psi (276 bar) and below, and smaller sizes for the finishing work.

### Best Tip on the Market (Blue Handle)

- Premium airless tip line includes 107 RAC X SwitchTips for every application!
- Longest lasting fan pattern
- Highest quality finish with a consistent spray pattern
- Available in the most common tip sizes

### Easy to Identify Tip Size

- Large raised tip size numbers are always legible - even when covered with paint

### Superior Tip Design

- Locking tab ensures tip stays securely in guard
- "Snaps" tip in spray or reverse position
- OneSeal™ tip installs with no tools
- Solvent seal available when using extremely hot solvents

### RAC X - WideRAC™ (Blue Handle)

- The WideRAC covers double the area in half the time - increased flow rate ensures the proper mil build
- WideRAC tips are made for high production, new construction applications which may require larger airless sprayers

### RAC X – Fine Finish (Green Handle)

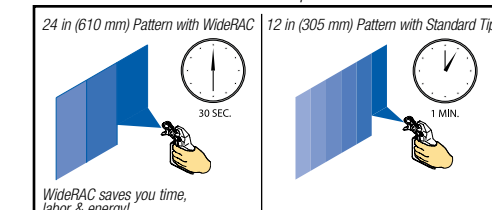
- Pre-orifice design improves the overall finish quality with finer atomization and soft edges for overlapping
- Can spray at lower pressures
- Pre-orifice and diffuser design easier to clean and less likely to plug
- Also includes solvent seal for extremely hot solvents

## RAC X SwitchTips Product Line



DESCRIPTION	PART NUMBER	APPLICATIONS	MATERIALS
RAC X	LTXxxx	Residential, Commercial or Industrial	Lacquers to Mastics
WideRAC	WRxxxx	High Production, New Construction	Lacquers to Mastics
Fine Finish	FFTxxx	Metal, Woodwork	Lacquer, Varnish, Stain Enamel, Oil base paint

WideRAC can cover the same area in 3 passes and in half the time!



WideRAC Tips – complete jobs in half the time  
Extra wide pattern, 61 cm (24 in) (WRxxxx).



Fine Finish Tips – pre-orifice produces finer atomization.  
Highest quality finish (FFTxxx).



## RAC 5 SwitchTips

RAC 5 SwitchTips are high-performance tips and the #1 selling tip on the market today. RAC 5 provides excellent fan pattern life and a high quality finish.

### Most Widely Used Reversible Spray Tip on the Market (Black Handle)

- Used for residential and commercial applications
- Includes OneSeal for most common coatings
- Large selection of tip sizes available
- Easy to identify laser stamped tip size
- Solvent seal available when using extremely hot solvents

### LineLazer™ RAC 5 SwitchTip (Yellow Handle)

- Creates clean, laser-sharp lines with no fuzzy edges or thin spots
- Designed specifically for parking lots, roads, warehouse floors, crosswalks and athletic fields
- Sprays heavy water-base to thin alkyd traffic paints
- Ensures consistent paint thickness, from edge to edge, less overspray and long-lasting lines

### XHD™ RAC SwitchTip (Gray Handle)

- Recommended for Xtreme® Sprayers and XTR Airless Spray Guns
- XHD is interchangeable with GHD guards and tips
- No tools required! Change tips in seconds
- Locking tab ensures tip stays securely in tip guard



DESCRIPTION	PART NUMBER	APPLICATIONS	MATERIALS
RAC 5	286xxx	Residential, Commercial or Industrial	Lacquers to Mastics
LineLazer	LL5xxx	Pavement, Concrete, Turf	Water Base, Alkyd
XHD RAC	XHDxxx	Steel, Roofing	Industrial Paints and Coatings



RAC 5 LineLazer SwitchTip (LL5xxx).



XHD RAC SwitchTip (XHDxxx).



### RAC X SWITCHTIP

LTXxxx



### WIDERAC RAC X SWITCHTIP

WRxxx



### FINE FINISH RAC X SWITCHTIP

FFTxxx



### RAC 5 SWITCHTIP

286xxx



### LINELAZER RAC 5 SWITCHTIP

LL5xxx



### XHD RAC SWITCHTIP

XHDxxx



### CONTRACTOR FLAT TIPS

269xxx



### FINE FINISH FLAT TIPS

163xxx

## Tip Specifications

COLOR	MAXIMUM WPR	TYPICAL APPLICATIONS	BEST USED WITH THESE MATERIALS	TIP GUARD
Blue	4050 psi (280 bar, 28.0 MPa)	Residential, Commercial or Industrial	Lacquers to Mastics Latex Paints	RAC X HandTite Tip Guard (246215)

COLOR	MAXIMUM WPR	TYPICAL APPLICATIONS	BEST USED WITH THESE MATERIALS	TIP GUARD
Blue	4050 psi (280 bar, 28.0 MPa)	High Production, New Construction for Top Coats, Large Concrete and Block Surfaces	Lacquers to Mastics Latex Paints	RAC X HandTite Tip Guard (246215)

COLOR	MAXIMUM WPR	TYPICAL APPLICATIONS	BEST USED WITH THESE MATERIALS	TIP GUARD
Green	4050 psi (280 bar, 28.0 MPa)	Cabinetry, Woodworking, Metal and Fine Finish Surfaces	Lacquers, Varnishes, Urethanes and other fine finish materials	RAC X HandTite Tip Guard (246215)

COLOR	MAXIMUM WPR	TYPICAL APPLICATIONS	BEST USED WITH THESE MATERIALS	TIP GUARD
Black	4050 psi (280 bar, 28.0 MPa)	Residential, Commercial or Industrial	Lacquers to Mastics Latex Paints	RAC 5 HandTite Tip Guard (243161)

COLOR	MAXIMUM WPR	TYPICAL APPLICATIONS	BEST USED WITH THESE MATERIALS	TIP GUARD
Yellow	4050 psi (280 bar, 28.0 MPa)	Parking Lots, Roads, Warehouse Floors, Crosswalks and Athletic Fields	Heavy Waterbase to thin Alkyd Traffic Paints	RAC 5 HandTite Tip Guard (243161)

COLOR	MAXIMUM WPR	TYPICAL APPLICATIONS	BEST USED WITH THESE MATERIALS	TIP GUARD
Gray	7250 psi (500 bar, 34.5 MPa)	Bridges, Tanks, Farms, Structural Steel and Roofing	Virtually all Paints and Coatings - Solvent and Water-base	XHD Tip Guard (XHD001)

MAXIMUM WPR	TYPICAL APPLICATIONS	BEST USED WITH THESE MATERIALS	TIP GUARD
5000 psi (345 bar, 34.5 MPa)	Residential, Commercial or Industrial	Architectural Coatings	Flat Tip Guard (220251)

MAXIMUM WPR	TYPICAL APPLICATIONS	BEST USED WITH THESE MATERIALS	TIP GUARD
4050 psi (280 bar, 28.0 MPa)	Cabinetry, Woodworking, Metal and Fine Finish Surfaces	Lacquers, Varnishes, Urethanes and other fine finish materials	Fine Finish Flat Tip Guard (220247)



# Tip Charts

## RAC X SwitchTips (LTXxxx)



		ORIFICE SIZE - INCHES																								
		.007	.009	.011	.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.033	.035	.037	.039	.041	.043	.045	.051	.055	.061	.065	.071
Fan Width	2-4 (51-102)	109	111		115																					
	4-6 (102-152)	207	209	211	213	215	217	219	221		225	227		231		235										
	6-8 (152-203)	309	311	313	315	317	319	321	323	325	327	329	331		335											
	8-10 (203-254)	409	411	413	415	417	419	421	423	425	427	429	431	433	435			439	441	443	445	451	455			
	10-12 (254-305)	509	511	513	515	517	519	521	523	525	527	529	531	533	535	537	539	541	543	545	551	555	561			
	12-14 (305-356)		611	613	615	617	619	621	623	625	627	629	631	633	635	637	639	641	643	645	651	655	661	665	671	
	14-16 (356-406)																									
	16-18 (406-457)						817	819	821					831	833	835										
	18-20 (457-508)																									
	Flow Rate (gpm)		.05	.09	.12	.18	.24	.31	.38	.47	.57	.67	.77	.90	1.03	1.17	1.31	1.47	1.63	1.8	1.98	2.17	2.79	3.25	4.0	4.53
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	10.57	12.29	15.12	17.17	20.48

Water @ 2000 psi (138 bar, 13.8 MPa) - paints with a higher viscosity will decrease the flow rate  
 Example: for a tip with a .015 orifice and a 152 mm (6 in) pattern, order LTX315

## WideRAC RAC X SwitchTips (WRxxxx)



		ORIFICE SIZE - INCHES								WideRAC Conversion		When you use WideRAC, be sure to increase the flow rate of the tip to ensure the same mil build and rate of application (arm speed). Also, make sure your airless sprayer can support the larger tip size.		
		.021	.023	.025	.027	.029	.031	.033	.035	.037	.039		RAC 5 or RAC X	WideRAC
Fan Width	24 (610)	1221	1223	1225	1227	1229	1231	1233	1235	1237	1239		415 or 515	1221 or 1223
	Flow Rate (gpm)	.47	.57	.67	.77	.90	1.03	1.17	1.31	1.47	1.63		419 or 519	1225 or 1227
	Flow Rate (lpm)	1.79	2.15	2.54	2.96	3.42	3.90	4.42	4.98	5.56	6.18		421 or 612	1229 or 1231
												523 or 623	1233 or 1235	
												525 or 625	1235 or 1237	

Water @ 2000 psi (138 bar, 13.8 MPa) - paints with a higher viscosity will decrease the flow rate  
 Example: for a tip with a .027 orifice and a 610 mm (24 in) pattern, order WR1227

## Fine Finish RAC X SwitchTips (FFTxxx)



		ORIFICE SIZE - INCHES			
		.008	.010	.012	.014
Fan Width	2-4 (51-102)	108	110	112	
	4-6 (102-152)	208	210	212	214
	6-8 (152-203)	308	310	312	314
	8-10 (203-254)		410	412	414
	10-12 (254-305)		510	512	514
	12-14 (305-356)			612	614
Flow Rate (gpm)		.07	.11	.15	.21
Flow Rate (lpm)		.26	.41	.59	.80

Water @ 2000 psi (138 bar, 13.8 MPa) - paints with a higher viscosity will decrease the flow rate  
 Example: for a tip with a .010 orifice and a 203 mm (8 in) pattern, order FFT410

## RAC 5 SwitchTips (286xxx)



		ORIFICE SIZE - INCHES																							
		.007	.009	.011	.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.033	.035	.039	.043	.045	.051	.055	.063	.065		
Fan Width	2-4 (51-102)	109	111	113	115		119	121								235									
	4-6 (102-152)	207	209	211	213	215	217	219	221	223	225														
	6-8 (152-203)	307	309	311	313	315	317	319	321	323	325	327		331		433	435	439	443						
	8-10 (203-254)	409	411	413	415	417	419	421	423	425	427	429	431	433	435										
	10-12 (254-305)	509	511	513	515	517	519	521	523	525	527	529	531	533	535										
	12-14 (305-356)	609	611	613	615	617	619	621	623	625	627	629	631	633	635										
	14-16 (356-406)																								
	16-18 (406-457)					815	817	819	821					831	833	835	835								
	18-20 (457-508)						917																		
	Flow Rate (gpm)		.05	.09	.12	.18	.24	.31	.38	.47	.57	.67	.77	.90	1.03	1.17	1.31	1.63	1.98	2.17	2.79	3.25	4.26	4.53	
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	6.18	7.51	8.23	10.57	12.29	16.13	17.17		

Water @ 2000 psi (138 bar, 13.8 MPa) - paints with a higher viscosity will decrease the flow rate  
 Example: for a tip with a .011 orifice and a 152 mm (6 in) pattern, order 286311

## LineLazer RAC 5 SwitchTips (LL5xxx)



		ORIFICE SIZE - INCHES													
		.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.033	.035	.039	.055
Line Width	2 (51)	213	215	217	219										
	4 (102)	315	317	319	321	323	325	327	329	331	333	335			355
	4-8 (102-204)		417	419	421	423	425	427	429	431					
	8-12 (204-305)			621	623	625	627	629	631				635	639	
	Flow Rate (gpm)		.18	.24	.31	.38	.47	.57	.67	.77	.90	1.03	1.17	1.31	1.63
Flow Rate (lpm)		.69	.91	1.17	1.47	1.79	2.15	2.54	2.96	3.42	3.90	4.42	4.98	6.18	12.29

Water @ 2000 psi (138 bar, 13.8 MPa) - paints with a higher viscosity will decrease the flow rate  
 Example: for a tip with a .015 orifice and a 102 mm (4 in) pattern, order LL5215.  
 Fan width of a spray pattern is measured at 152 mm (6 in) from the surface

# Tip Charts

## XHD RAC SwitchTips (XHDxxx)



		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	
Fan Width	2-4 (51-102)	107	109	111	113	115	117	119	121															
	4-6 (102-152)	207	209	211	213	215	217	219	221		225	227	229	231	333	335	337	339	341	343	345	347	349	449
	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	349	449
	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		
	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		
	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		
	14-16 (356-406)		711	713	715	717	719	721	723	725	727	729	731	733	735	737	739	741	743	745	747	749		
	16-18 (406-457)				813	815	817	819	821	823	825	827	829	831	833	835	837	839	841	843	845	847		
	18-20 (457-508)									923	925	927												
	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
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	

		ORIFICE SIZE - INCHES												
		.051	.053	.055	.057	.059	.061	.063	.065	.067	.069	.071	.075	.081
Fan Width	2-4 (51-102)													
	4-6 (102-152)													
	6-8 (152-203)	351		355										
	8-10 (203-254)	451		455	459	461	463	465	467		471	475	481	
	10-12 (254-305)	551	553	555	557	561	563	565	567		571	575		
	12-14 (305-356)	651		655	657	659	661	663	665	667	669	671	675	
	14-16 (356-406)	751	753	755			761		767		771			
	16-18 (406-457)	851		855			861	863	867					
	18-20 (457-508)													
	Flow Rate (gpm)	2.79	3.05	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)	10.57	11.41	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 GHD539

## Contractor Flat Tips (269xxx)



		ORIFICE SIZE - INCHES											
		.011	.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.035
Fan Width	4-6 (102-152)	211	213	215	217	219			225	227			
	6-8 (152-203)	311	313	315	317	319	321						

## Tip Guards

### TIP GUARDS



	DESCRIPTION	THREAD SIZE	GUN	TIP
246215	RAC X HandTite™ Tip Guard	22 mm (7/8 in)	Standard Graco thread	RAC X, FFT, WR
246437	RAC X HandTite Tip Guard	17.5 mm (11/16 in)	Older style Graco Pole Guns, Fits Competitive Guns with 11/16 in threads	RAC X, FFT, WR



243161	RAC 5 HandTite Tip Guard	22 mm (7/8 in)	Standard Graco thread	RAC 5, RAC IV, RAC 5 LineLazer
243263	RAC 5 HandTite Tip Guard	17.5 mm (11/16 in)	Older style Graco Pole Guns	RAC 5, RAC IV, RAC 5 LineLazer



XHD001	XHD RAC Tip Guard	22 mm (7/8 in)	Standard Graco thread	XHD RAC
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220251	Flat Tip Guard	22 mm (7/8 in)	Standard Graco thread	Contractor Flat Tips
220255	Flat Tip Guard	17.5 mm (11/16 in)	Older style Graco Pole Guns, Fits Competitive Guns with 11/16 in threads	Contractor Flat Tips



220247	Fine Finish Flat Tip Guard	22 mm (7/8 in)	Standard Graco thread	Fine Finish Flat Tips
220249	Fine Finish Flat Tip Guard	17.5 mm (11/16 in)	Older style Graco Pole Guns, Fits Competitive Guns with 11/16 in threads, Tip Filter Housings and Swivel Adapters	Fine Finish Flat Tips

## Seals and Gaskets

### TIP GASKETS AND SEAL KITS



246453	RAC X OneSeals - 5 pack. Use only with RAC X SwitchTip and Guard
243281	RAC 5 OneSeals - 5 pack. Use only with RAC 5 SwitchTip and Guard



248936	RAC X Solvent Seal Kit – 5 pack
224081	RAC 5 & RAC IV Solvent Seal Kit – 5 pack
223373	Thin Tip Gaskets – 25 pack
223374	Thick Tip Gaskets – 25 pack
114049	O-Ring – use with tip gaskets to securely hold in place

### TIP BRUSHES



101891	Use to clean spray tips, filters and guns.
101892	9.5 mm x 57.15 mm (3/8 in x 2.25 in) nylon bristle
119799	16 mm x 57.15 mm (5/8 in x 2.25 in) nylon bristle
	9.5 mm x 25.4 mm (3/8 in x 1 in) nylon bristle

To maximize performance, choose BlueMax II high performance airless hose. With superior flexibility and durability, BlueMax II is designed to ensure you get the best results from your airless sprayer.

### Feel the Difference

#### Lighter Weight

- Over 10% lighter weight and increased hose flexibility improves usability while spraying under pressure

#### Highest Safety Standards

- Conductive core meets the highest worldwide safety standards unlike competitive ground wire hose designs

#### Minimal Hose Coil Memory

- BlueMax II Hose has superior flexibility and reduced coil memory providing ease of use during coiling and uncoiling

#### Corrosion Resistant

- Plated spring guards are more corrosion resistant

Selecting the best diameter hose to meet your length requirements is critical to good spraying pressure. The larger the hose diameter, the greater the pressure at the gun. As you go down in hose diameter size or increase the hose length, there will be less pressure at the gun.

When coupling hoses together, connect the larger diameter hose to the sprayer and the smaller diameter hose to the gun inlet for maximum pressure when spraying.

#### 4.8 mm (3/16") Airless Hose

- Small diameter hose ideal for interior pressure rolling or low pressure applications
- Diameter used as a whip hose for improved flexibility at the gun

#### 6.4 mm (1/4") Airless Hose

- Most commonly sold hose diameter – for all applications

#### 9.5 mm (3/8") Airless Hose

- High production hose provides best performance at the gun
- Able to handle heavier material and longer hose length with the least amount of pressure drop

## BlueMax™ II Hose



1/4 in x 50 ft Shown

DESCRIPTION	PART NUMBER	DIAMETER	LENGTH	TYPE
BlueMax II Whip Hose	238358	4.8 mm (3/16 in)	0.9 m (3 ft)	MxF
BlueMax II Whip Hose	238959	4.8 mm (3/16 in)	1.4 m (4.5 ft)	MxF
BlueMax II Whip Hose	238359	4.8 mm (3/16 in)	1.8 m (6 ft)	MxF
BlueMax II Hose	214981	4.8 mm (3/16 in)	4.6 m (15 ft)	FBE
BlueMax II Hose	214698	4.8 mm (3/16 in)	7.5 m (25 ft)	FBE
BlueMax II Hose	214697	4.8 mm (3/16 in)	15 m (50 ft)	FBE
BlueMax II Hose	223756	6.4 mm (1/4 in)	4.6 m (15 ft)	FBE
BlueMax II Hose	240793	6.4 mm (1/4 in)	7.5 m (25 ft)	FBE
BlueMax II Hose	240794	6.4 mm (1/4 in)	15 m (50 ft)	FBE
BlueMax II Hose	223771	6.4 mm (1/4 in)	30 m (100 ft)	FBE
BlueMax II Hose	240796	9.5 mm (3/8 in)	7.5 m (25 ft)	FBE
BlueMax II Hose	240797	9.5 mm (3/8 in)	15 m (50 ft)	FBE
BlueMax II Hose	241275	9.5 mm (3/8 in)	30 m (100 ft)	FBE

3300 psi ( 227 bar, 22.7 MPa) maximum working pressure rated at 180° F (82.2° C) temperature



Available in a wide variety of lengths and diameters.



Whip Hose provides more flexibility and increased operator control at the gun (238358).

## Airless Hose and Hose Fittings

### BLUEMAX II HP HIGH PRESSURE HOSE



277249  
277250  
277351  
277251  
277253

Synthetic-braided, 4000 psi (276 bar, 27.6 MPa) maximum working pressure rated at 82° C (180° F)

6.4 mm x 0.9 m (1/4 in x 3 ft) MxF Whip Hose  
6.4 mm x 15 m (1/4 in x 50 ft) FBE  
9.5 mm x 0.9 m (3/8 in x 3 ft) MxF Whip Hose  
9.5 mm x 15 m (3/8 in x 50 ft) FBE  
13 mm x 15 m (1/2 in x 50 ft) FBE

### XTREME-DUTY AIRLESS HOSE



H42503  
H42550  
H4251X  
H43803  
H43850  
H4381X  
H45050  
H4501X

Wire-braided, 4500 psi (310 bar, 31.0 MPa) maximum working pressure rated at 82° C (180° F)

6.4 mm x 0.9 m (1/4 in x 3 ft) MxF Whip Hose  
6.4 mm x 15 m (1/4 in x 50 ft) FBE  
6.4 mm x 30 m (1/4 in x 100 ft) FBE  
9.5 mm x 0.9 m (3/8 in x 3 ft) MxF Whip Hose  
9.5 mm x 15 m (3/8 in x 50 ft) FBE  
9.5 mm x 30 m (3/8 in x 100 ft) FBE  
13 mm x 15 m (1/2 in x 50 ft) FBE  
13 mm x 30 m (1/2 in x 100 ft) FBE

### FITTINGS



156971  
156849  
158491  
157350  
159239

1/4 in npt x 1/4 in npt (6.4 mm x 6.4 mm) – MBE  
Maximum Working Pressure: 7500 psi (517 bar, 51.7 MPa)  
3/8 in npt x 3/8 in npt (9.5 mm x 9.5 mm) – MBE  
Maximum Working Pressure: 6000 psi (420 bar, 42.0 MPa)  
1/2 in npt x 1/2 in npt (13 mm x 13 mm) – MBE  
Maximum Working Pressure: 6700 psi (462 bar, 46.2 MPa)  
1/4 in npt x 3/8 in npt (6.4 mm x 9.5 mm) – MBE  
Maximum Working Pressure: 5000 psi (345 bar, 34.5 MPa)  
1/2 in npt x 3/8 in npt (13 mm x 9.5 mm) – MBE  
Maximum Working Pressure: 5000 psi (345 bar, 34.5 MPa)

### UNIONS



156823  
155665  
157705  
159153  
155570

1/4 in npt(m) x 1/4 in npsm(f) (6.4 mm x 6.4 mm)  
Maximum Working Pressure: 5000 psi (345 bar, 34.5 MPa)  
3/8 in npt(m) x 3/8 in npsm(f) (9.5 mm x 9.5 mm)  
Maximum Working Pressure: 5000 psi (345 bar, 34.5 MPa)  
1/4 in npt(m) x 3/8 in npsm(f) (6.4 mm x 9.5 mm)  
Maximum Working Pressure: 5000 psi (345 bar, 34.5 MPa)  
3/8 in npt(f) x 1/4 in npsm(f) (13 mm x 9.5 mm)  
Maximum Working Pressure: 5000 psi (345 bar, 34.5 MPa)  
1/4 in npt(f) x 1/4 in npsm(f) (6.4 mm x 9.5 mm)  
Maximum Working Pressure: 5000 psi (345 bar, 34.5 MPa)

Painting with a roller has never been this easy! No more climbing and stopping to dip the roller in a messy paint tray. Simply pull the gun trigger when you need more paint and keep rolling. Pressure rolling is ideal when spraying is not possible.

### EvenFlow™ 230 mm (9 in) Pressure Roller

- Evenly distributes paint with no heavy build-up
- Chrome plated, stainless steel frame is corrosion resistant
- Lightweight design for less fatigue
- Few parts for quick cleaning and easy assembly between color changes
- No tools required
- Typical pressure roller application requires 300 psi (2.1 Mpa, 21 bar)

### EvenFlow Pressure Roller Assembly

- Airless spray gun roller attachment - includes everything you need to start rolling with an airless spray gun

### EvenFlow In-Line Valve Roller Assembly

- Includes everything you need to start rolling with the Contractor In-Line Valve
- Ability to rotate 180° to roll in tight areas

### EvenFlow Telescoping Roller Assembly

- Connects directly to Contractor In-Line Valve or any airless spray gun and 45° angle – sold separately, part number 224399

## Pressure Rollers



DESCRIPTION	PART NUMBER	MAXIMUM WPR	INCLUDES
EvenFlow Pressure Roller Assembly	244279	3600 psi (248 bar, 24.8 MPa)	230 mm (9 in) EvenFlow Roller Frame 13 mm (1/2 in) Roller Cover, 50 cm (20 in) Fixed Extension and 45° angle
EvenFlow Telescoping Roller Assembly	244281	3000 psi (227 bar, 22.7 MPa)	46 cm to 91 cm (18 in to 36 in) Telescoping Extension 230 mm (9 in) EvenFlow Roller Frame and 13 mm (1/2 in) Roller Cover
EvenFlow In-Line Valve Roller Assembly	245397	3600 psi (248 bar, 24.8 MPa)	Contractor In-Line Valve, 50 cm (20 in) Fixed Extension 230 mm (9 in) EvenFlow Roller Frame and 13 mm (1/2 in) Roller Cover



Geospense™ 305 mm (12 in) Pressure Roller.



230 mm (9 in) EvenFlow Roller Frame.



Graco perforated Roller Covers.



## Pressure Roller Accessories

### PRESSURE ROLLER FRAMES



- 244271 230 mm (9 in) EvenFlow Roller Frame with 22 mm (7/8 in) thread; for use with Graco Heavy Duty Extensions
- 244623 230 mm (9 in) EvenFlow Roller Frame with 1/8 npt thread; for use with Graco Telescoping Extensions
- 224398 Adapter that attaches roller frame 244623 to use with Heavy Duty Extension
- 240005 230 mm (9 in) Geospense™ Roller Frame
- 240055 305 mm (12 in) Geospense Roller Frame

### ROLLER COVERS



- 107589 230 mm (9 in) Roller Cover, 9.5 mm (3/8 in) nap
- 107590 230 mm (9 in) Roller Cover, 13 mm (1/2 in) nap
- 107591 230 mm (9 in) Roller Cover, 19 mm (3/4 in) nap
- 107592 230 mm (9 in) Roller Cover, 32 mm (1-1/4 in) nap
- 186944 305 mm (12 in) Roller Cover, 13 mm (1/2 in) nap
- 186945 305 mm (12 in) Roller Cover, 19 mm (3/4 in) nap
- 186946 305 mm (12 in) Roller Cover, 32 mm (1-1/4 in) nap

Graco's full line of Extended Reach Tools are ideal for hard-to-reach areas like soffits, stairways and vaulted ceilings. Extend your range and spray more efficiently without ladders or scaffolding.

### Pole Gun

- For unmatched spraying performance in high or recessed areas
- Provides better spray control and less fatigue
- Balanced design; no excessive weight at the end of pole

### CleanShot™ Shut-Off Valve

- Unique needle valve shuts fluid off at the tip for a clean pattern – no spitting
- 180 degree tip swivel provides versatility when spraying walls and ceilings
- Pressure-actuated – operates at a minimum of 700 psi (4.8 Mpa, 48 bar)

### Contractor In-Line Valve

- Can be used with other extended reach tools such as Heavy Duty Extensions and Telescoping Extensions for Pressure Rolling
- Provides a straight connection to extensions for the most optimal rolling position
- In-handle paint filter and built-in swivel connection for top spraying performance
- Ability to rotate 180° allows spraying in any position

### Pole Gun Extensions

- Use with Contractor In-Line Valve and the CleanShot Shut-Off Valve to create different length pole guns
- Smaller diameter tube is lightweight and can be used for interior pressure rolling
- Ability to attach directly to an airless spray gun – order 45° adapter 224399 for increased comfort while rolling

## Pole Guns



DESCRIPTION	PART NUMBER	MAX WPR	REPAIR KIT
0.9 m (3') Pole Gun	287023	3600 (248 bar, 24.8 MPa)	NA
1.8 m (6') Pole Gun	287024	3600 (248 bar, 24.8 MPa)	NA
CleanShot Valve	287030	3600 (248 bar, 24.8 MPa)	Valve - 244162, Swivel - 244363
In-Line Valve	244161	3600 (248 bar, 24.8 MPa)	218070



CleanShot Shut-Off Valve (287030).



Contractor In-Line Valve (244161).

## Extended Reach Accessories

### EXTENSIONS



244163  
244164

#### Pole Gun Extensions - Maximum WPR: 3600 psi, (248 bar, 24.8 MPa)

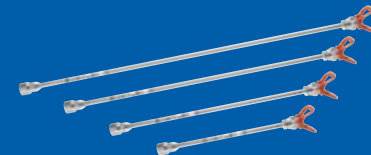
- Use with Contractor In-Line Valve and the CleanShot Shut-Off Valve to create different length pole guns
  - Thread Size: 22 mm (7/8 in)
- 0.9 m (3 ft)  
1.8 m (6 ft)



287019  
287020  
287021  
287022

#### RAC X Tip Extensions - Maximum WPR: 4050 psi, (280 bar, 28.0 MPa)

- Includes: RAC X HandTite Guard standard with 22 mm (7/8 in) gun nut and OneSeal
  - Can be combined for extended reach up to 1.8 m (6 ft)
- 25 cm (10 in)  
38 cm (15 in)  
50 cm (20 in)  
75 cm (30 in)



243295  
243296  
243297  
243298

#### RAC 5 Tip Extensions - Maximum WPR: 4050 psi, (280 bar, 28.0 MPa)

- Includes: RAC 5 HandTite Guard standard with 22 mm (7/8 in) gun nut and OneSeal
  - Can be combined for extended reach up to 1.8 m (6 ft)
- 25 cm (10 in)  
38 cm (15 in)  
50 cm (20 in)  
75 cm (30 in)



232121  
232122  
232123  
232124  
232125

#### Heavy Duty Extensions - Maximum WPR: 3600 psi, (248 bar, 24.8 MPa)

- Tough, light weight aluminum construction
  - Can be combined for extended reach up to 3.6 m (12 ft)
  - Attach to any airless spray gun or In-Line Valve
  - Ideal for high pressure spraying or low pressure roller applications
- 25 cm (10 in)  
50 cm (20 in)  
100 cm (40 in)  
150 cm (60 in)  
200 cm (80 in)



218775  
218776  
218777

#### Telescoping Extensions - Maximum WPR: 3000 psi, (207 bar, 20.7 MPa)

- Use Telescoping Extensions for Pressure Rolling only - do not use for airless spraying
  - All Telescoping Extensions include Adapter 244825; for use with 22 mm (7/8 in) Contractor In-Line Valve
- 45 to 90 cm (18 to 36 in)  
90 to 180 cm (36 to 72 in)  
180 to 360 cm (72 to 144 in)

### ADAPTERS



235486

#### 180° Easy Turn Directional Spray Nozzle

- Sprays at a variety of angles by attaching to any Graco Extensions
- Maximum Working Pressure: 3600 psi (248 bar, 24.8 MPa)
- Thread Size: 22 mm (7/8 in)
- Instruction Manual: 308244



224399

#### 45° Adapter

- Connects to Airless Spray Gun and any Graco Extension for pressure rolling
- Maximum Working Pressure: 3600 psi (248 bar, 24.8 MPa)
- Thread Size: 22 mm (7/8 in)

## Strainers and Gun Filters

### STRAINERS



246385

7/8 in (unf) thread - SST Cap

390, 490, Ultra™ 395/495/595 Ultra Max 695 Lo-Boy, GMax™ 3400, LineLazer 3400, FinishPro 390, FinishPro 395



235004

3/4 in (unf) thread - Nylon Cap

ST, STX, 295 ST, 395/495 ST Pro Stand, 455/495ST Pro Lo-Boy, Ultra Max 695/795 Lo-Boy, GM3000 Lo-Boy, 390/395/450/455/490/495ST Stand, Ultra 600 Lo-Boy



183770

3/4 in (npsm) thread - SST Cap

455/495ST Pro Hi-Boy, Ultra Max 695 Hi-Boy, GM3000 Hi-Boy, LineLazer 3000, 495ST Hi-Boy, Ultra 500 Hi-Boy, LineLazer 3500



181072

1 in (npsm) thread - SST Cap Double Screen

Ultra Max 795/1095/1595 Hi-Boy, GMax 3900, GMax 5900 Lo-Boy, LineLazer 3900/5900, EM 590, Ultra 750/1000/1500, GM 3500/5000, Ultra 333/433, GM7000 Lo-Boy, LineLazer 5000



189920

1 in (npsm) thread - SST Cap Single Screen

Ultra Max II 695/795/1095/1595, GMax II 3900/5900/7900, GH™ 200/230/300, LineLazer 200HS, Mark IV, Mark V™, GMax 5900/5900 HD Hi-Boy, GMax 7900, HydraMax™ 225, GM 7000 Hi-Boy



237840

1 1/4 in (npt) thread - SST Cap

HydraMax 300/350, GM/GMax 10000, GH 733, GH 833

237675

1/2 in (npsm) thread - Nylon Cap

490st Hi-Boy, Ultra 600 Lo-Boy

237820

Twist Lock, Nylon (unf)

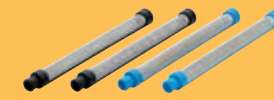
390sts

181073

1/2 in (npt) thread - SST Cap

EM390™, EM490™, Ultra 400, Ultra 500 Lo-Boy

### GUN FILTERS



287032

New & Old Contractor/FTx Gun, Easy Out Filter, Black, 60 Mesh - 1 per card



287033

New & Old Contractor/FTx Gun, Easy Out Filter, Blue, 100 Mesh - 1 per card



287034

New & Old Contractor/FTx Gun, Easy Out Filter Pack, 60 & 100 Mesh

218131

Old Contractor Gun Filter Assembly, 50 Mesh - 1 per card

218133

Old Contractor Gun Filter Assembly, 100 Mesh - 1 per card

224455

Old Contractor Gun Filter Screen Element, 50 Mesh - 2 per card

224456

Old Contractor Gun Filter Screen Element, 100 Mesh - 2 per card

A strainer prevents foreign objects from entering into the pump and provides the first stage of filtration.

A filter helps reduce tip plugging and provide a better quality finish by eliminating large unwanted particles from the spray pattern.

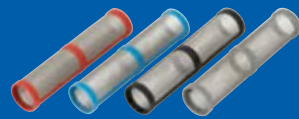
# Manifold and Tip Filters

## THE CORRECT FILTER REDUCES TIP CLOGS

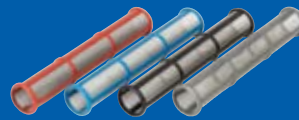
Mesh Size	200	100	60	30
Materials	Stains, Varnishes, Polyurethane, Solvent-Based Paints	Lacquers, Enamels (Solvent), Solvent-Based Paints	Acrylic, Enamels	Heavy Acrylic, Block Filler, Elastomeric
Use with Tip Sizes	.007" - .013"	.013" - .015"	.015" - .029"	.031"+

Clean and replace filters often to ensure proper spraying pressure

### MANIFOLD FILTERS



246425  
246384  
246382  
246383



244071  
244067  
244068  
244069

243080  
243081  
243226



236495  
236496  
236497  
236498



224458  
224459  
224468  
224469

### TIP FILTERS



224454  
224453  
164120  
220254

#### EASY OUT FILTERS, SHORT – For use with ST, STX, Ultra 395/495/595 Airless Sprayers

Short, Gray, Vertical, 30 Mesh - 1 per card  
Short, Black, Vertical, 60 Mesh - 1 per card  
Short, Blue, Vertical, 100 Mesh - 1 per card  
Short, Red, Vertical, 200 Mesh - 1 per card

#### EASY OUT FILTERS, LONG – For use with Ultra Max, GMax, GH 200 and HydraMax Airless Sprayers

Long, Gray, Vertical, 30 Mesh - 1 per card  
Long, Black, Vertical, 60 Mesh - 1 per card  
Long, Blue, Vertical, 100 Mesh - 1 per card  
Long, Red, Vertical, 200 Mesh - 1 per card

#### EASY OUT FILTERS, SHORT – For use with ST PRO Airless Sprayers

Short, Black, Horizontal, 60 Mesh - 1 per card  
Short, Blue, Horizontal, 100 Mesh - 1 per card  
Short, Red, Horizontal, 200 Mesh - 1 per card

#### STANDARD FILTERS - SHORT

Filter Screen, 30 Mesh - 2 per card  
Latex Filter Screen, 60 Mesh - 2 per card  
Enamel Filter Screen, 100 Mesh - 2 per card  
Stain Filter Screen, 200 Mesh - 2 per card

#### STANDARD FILTERS - LONG

Filter Screen, 30 Mesh - 2 per card  
Latex Filter Screen, 60 Mesh - 2 per card  
Enamel Filter Screen, 100 Mesh - 2 per card  
Stain Filter Screen, 200 Mesh - 2 per card

Provides additional filtering when using a flat tip to help reduce tip plugging and provide a higher quality finish.

Latex Tip Filter, 60 Mesh - 5 per card  
Enamel/Stain Tip Filter, 100 Mesh - 5 per card  
Tip Filter Housing  
Tip Filter Kit - Contains two tip filters (60 & 100 Mesh), tip filter housing and one dripless tip guard

# Fluids and Pump Lowerers

## PUMP ARMOR™



243103  
245133

Protects pump for storage and freeze proof to -34° C (-30° F).  
Fill pump with Pump Armor and leave it in until you use it again.

1 Liter (1 Quart)  
3.8 Liters (1 Gallon)

## TSL™ THROAT SEAL LIQUID



206994  
206995  
206996

Prevents paint and coatings from drying onto the displacement rod and packings  
Extends pump life

.24 Liter (8 ounces)  
1 Liter (1 Quart)  
3.8 Liters (1 Gallon)

## HYDRAULIC FLUID

207428

Use with Graco HydraMax and GH Sprayers  
3.8 Liters (1 Gallon)

## PUMP LOWERERS



17C720  
17C488  
16Y598  
16X414

Graco Pump Lowerers lead the industry in durability and ease of installation.  
Keep a spare on hand to minimize downtime in the field.  
(See price list or local Graco Distributor for a complete list of Graco Pump Lowerers.)

Endurance Pump Lower Kit for 390, Ultra 395, Ultra Max II 490/495/595, GMAX 3400, FinishPro 395

Endurance Pump Lower Kit for 390 PC, 395 PC Pro, 490/495/595 PC Pro, Finish Pro II 395 PC, Finish Pro II 595 PC Pro

Endurance Pump Lower Kit for Ultra Max 695/795, and GMAX II 3900 Standard

Endurance Pump Lower Kit for New Ultra Max 695/795, and GMAX II 3900 ProContractor with ProConnect II





## 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.

## GRACO LOCATIONS

### MAILING ADDRESS

P.O. Box 1441  
Minneapolis, MN 55440-1441  
Tel: 612-623-6000  
Fax: 612-623-6777

### AMERICAS

#### MINNESOTA

Worldwide Headquarters  
Graco Inc.  
88 -11th Avenue N.E.  
Minneapolis, MN 55413

### EUROPE

#### BELGIUM

European Headquarters  
Graco N.V.  
Industrieterrein-Oude Bunders  
Slakweidestraat 31  
3630 Maasmechelen,  
Belgium  
Tel: 32 89 770 700  
Fax: 32 89 770 777

### ASIA PACIFIC

#### AUSTRALIA

Graco Australia Pty Ltd.  
Suite 17, 2 Enterprise Drive  
Bundoora, Victoria 3083  
Australia  
Tel: 61 3 9467 8558  
Fax: 61 3 9467 8559

#### CHINA

Graco Hong Kong Ltd.  
Shanghai Representative Office  
Room 118 1st Floor  
No.2 Xin Yuan Building  
No.509 Cao Bao Road  
Shanghai, 200233  
The People's Republic of China  
Tel: 86 21 649 50088  
Fax: 86 21 649 50077

#### INDIA

Graco Hong Kong Ltd.  
India Liaison Office  
Room 432, Augusta Point  
Regus Business Centre 53  
Golf Course Road  
Gurgaon, Haryana  
India 122001  
Tel: 91 124 435 4208  
Fax: 91 124 435 4001

#### JAPAN

Graco K.K.  
1-27-12 Hayabuchi  
Tsuzuki-ku  
Yokohama City, Japan 2240025  
Tel: 81 45 593 7300  
Fax: 81 45 593 7301

#### KOREA

Graco Korea Inc.  
Shinhan Bank Building  
4th Floor #1599  
Gwanyang-Dong, Dongan-Ku,  
Anyang-si, Korea 431-060  
Tel: 82 31 476 9400  
Fax: 82 31 476 9801

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