



# 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



*"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

Only Graco® delivers essential tools for maximum productivity and performance, backed by a solid reputation for proven quality, reliability, warranty and unmatched on-the-job performance. Graco accessories are designed to meet the professional painting contractor's standards for quality and performance. Graco is the name to turn to today and as your business grows.



**We Stand Behind the Quality  
Built Into Every Product**



### **Proven Quality**

- Graco parts and accessories are made from the highest quality materials to withstand extreme conditions.
- Every Graco Airless Gun and RAC® Spray Tip is tested prior to shipment.

### **Maximum Performance**

- Airless accessories maximize job performance by providing a wide variety of accessory options for every application.
- Each accessory offers unique features for top spraying performance.

### **Longest Warranty**

- Graco is the industry leader in contractor spray equipment and stands behind its products.
- Airless accessories provide a one-year warranty on hard parts.

### **Unmatched Productivity**

- Choose from a full line of accessories to make the job easier and get the work done faster.
- Essential tools for maximum productivity and performance.

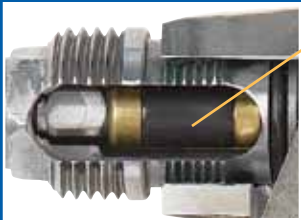
# Contractor™ & FTx™ Guns

## 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

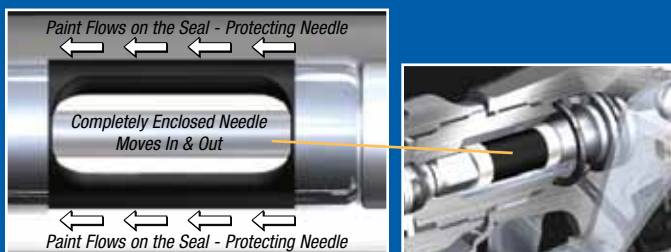
- Premium nickel finish is corrosion resistant and easier to clean.

### 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.

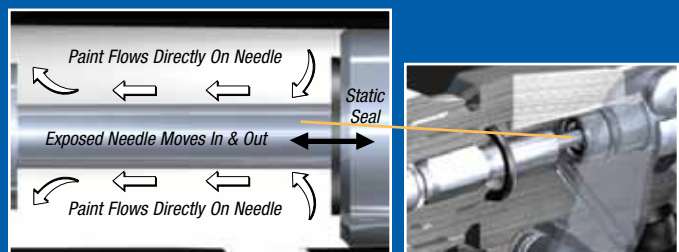
## GRACO VS OTHER INDUSTRY-STANDARD NEEDLE DESIGNS

### 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).

# Airless Spray Gun Specifications

## Contractor Gun



| 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 |

- **Repair Kit:** 288488
- **Instruction Manual:** 311861
- **Working Pressure:** 3600 psi (248 bar, 24.8 MPa)
- **Fluid Orifice Diameter:** 0.125 in (3.2 mm)

## FTx Gun



| PART NUMBER | TRIGGER  | TIP       | GUARD |
|-------------|----------|-----------|-------|
| 288430      | 4-Finger | RAC X 515 | RAC X |
| 288429      | 2-Finger | RAC 5 515 | RAC X |
| 288431      | 4-Finger | RAC 5 515 | RAC 5 |

- **Repair Kit:** 288488
- **Instruction Manual:** 311861
- **Working Pressure:** 3600 psi (248 bar, 24.8 MPa)
- **Fluid Orifice Diameter:** 0.125 in (3.2 mm)

## Silver Plus Gun



| 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 |

- **Repair Kit:** 235474  
(For 235462, use repair kit 235475)
- **Instruction Manual:** 309740
- **Working Pressure:** 5000 psi (345 bar, 34.5 MPa)
- **Fluid Orifice Diameter:** 0.090 in (2.3 mm)  
0.037 in (0.94 mm): 235462 for light viscosity materials

## Heavy Duty Texture Gun



| PART NUMBER | TRIGGER  | TIP       | GUARD          |
|-------------|----------|-----------|----------------|
| 241705      | 4-Finger | RAC X 531 | Heavy Duty RAC |

- **Repair Kit:** 237260
- **Instruction Manual:** 308491
- **Working Pressure:** 4000 psi (276 bar, 27.6 MPa)
- **Fluid Orifice Diameter:** 0.125 in (3.2 mm)
- 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

## Flex Plus™ Gun



| PART NUMBER | TRIGGER  | TIP                  | GUARD |
|-------------|----------|----------------------|-------|
| 246468      | 2-Finger | RAC X 517            | RAC X |
| 248157      | 2-Finger | RAC 5 LineLazer™ 319 | RAC 5 |

- **Repair Kit:** 235474
- **Instruction Manual:** 309045
- **Working Pressure:** 5000 psi (345 bar, 34.5 MPa)
- **Fluid Orifice Diameter:** 0.090 in (2.3 mm)
- Lightest weight gun, available for airless spray and line striping applications
- Airless hose connects directly to gun through spring guard mount on handle base

## SG3™ Gun



| PART NUMBER | TRIGGER  | TIP        | GUARD  |
|-------------|----------|------------|--------|
| 243012      | 4-Finger | RAC IV 515 | RAC IV |
| 246506      | 4-Finger | RAC 5 515  | RAC 5  |

- **Repair Kit:** 243092
- **Instruction Manual:** 309045
- **Working Pressure:** 3600 psi (248 bar, 24.8 MPa)
- **Fluid Orifice Diameter:** 0.125 in (3.2 mm)
- 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<br>AIRLESS HOSE        | HOSE WPR                        | TIP       | INCLUDES   |
|--------|-------------|-----------------------------------|---------------------------------|-----------|--|
| 288489 | Contractor  | 1/4 in x 50 ft<br>(6.4 mm x 15 m) | 3300 psi<br>(227 bar, 22.7 MPa) | RAC X 517 | HandTite Guard,<br>3 ft (0.9 m) Whip Hose                                    |
| 288490 | Contractor  | 3/8 in x 50 ft<br>(9.5 mm x 15 m) | 3300 psi<br>(227 bar, 22.7 MPa) | RAC X 517 | HandTite Guard,<br>3 ft (0.9 m) Whip Hose                                    |
| 288493 | FTx         | 1/4 in x 50 ft<br>(6.4 mm x 15 m) | 3300 psi<br>(227 bar, 22.7 MPa) | RAC X 515 | HandTite Guard   |
| 287041 | Silver Plus | 1/4 in x 50 ft<br>(6.4 mm x 15 m) | 3300 psi<br>(227 bar, 22.7 MPa) | RAC X 517 | HandTite Guard,<br>3 ft (0.9 m) Whip Hose                                    |
| 287042 | Silver Plus | 3/8 in x 50 ft<br>(9.5 mm x 15 m) | 3300 psi<br>(227 bar, 22.7 MPa) | RAC X 517 | HandTite Guard,<br>3 ft (0.9 m) Whip Hose                                    |
| 287043 | Silver Plus | 3/8 in x 50 ft<br>(9.5 mm x 15 m) | 4000 psi<br>(276 bar, 27.6 MPa) | RAC X 517 | HandTite Guard,<br>3 ft (0.9 m) Whip Hose                                    |
| 287095 | Flex Plus   | 1/4 in x 50 ft<br>(6.4 mm x 15 m) | 3300 psi<br>(227 bar, 22.7 MPa) | RAC X 517 | HandTite Guard,<br>3 ft (0.9 m) Whip Hose                                    |
| 287850 | Silver Plus | 3/8 in x 50 ft<br>(9.5 mm x 15 m) | 4000 psi<br>(276 bar, 27.6 MPa) | RAC X 517 | HandTite Guard, RAC X 655 Tip<br>1/4 in x 3 ft (6.3 mm x 0.9 m)<br>Whip Hose |
| 287851 | Flex Plus   | 3/8 in x 50 ft<br>(9.5 mm x 15 m) | 4000 psi<br>(276 bar, 27.6 MPa) | RAC X 517 | HandTite Guard, RAC X 655 Tip<br>1/4 in x 3 ft (6.3 mm x 0.9 m)<br>Whip Hose |
| 241338 | HD Texture  | 3/8 in x 50 ft<br>(9.5 mm x 15 m) | 3300 psi<br>(227 bar, 22.7 MPa) | RAC X 531 | RAC X Guard, RAC X 427 Tip<br>1/4 in x 3 ft (6.4 mm x 0.9 m)<br>Whip Hose    |
| 287852 | HD Texture  | 3/8 in x 50 ft<br>(9.5 mm x 15 m) | 4000 psi<br>(276 bar, 27.6 MPa) | RAC X 531 | RAC X Guard, RAC X 655 Tip<br>1/4 in x 3 ft (6.4 mm x 0.9 m)<br>Whip Hose    |



## RAC X FINE FINISH



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



# Gun and Hose Kits and Adapters

## RAC 5



288496

288497

243321

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

## RAC IV



243105

| GUN | AIRLESS HOSE                      | HOSE WPR                        | TIP        | INCLUDES     |
|-----|-----------------------------------|---------------------------------|------------|--------------|
| SG3 | 1/4 in x 50 ft<br>(6.4 mm x 15 m) | 3000 psi<br>(207 bar, 20.7 MPa) | RAC IV 515 | RAC IV Guard |

## 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 11/16 in (17.5 mm) gun thread on competitive guns to accept the 7/8 in (22 mm) thread used on most Graco accessories.

# RAC X SwitchTips Product Line



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)

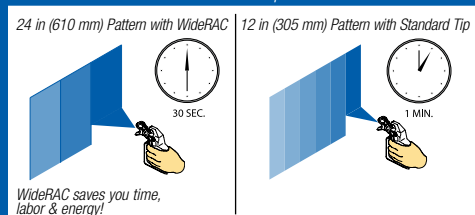
- The WideRAC covers double the area in half the time - increased flow rate ensures the proper mil build
- WideRAC tips are made for high production, new construction applications which may require larger airless sprayers

## 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

| 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<br>Enamel, Oil base paint |

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



WideRAC saves you time, labor & energy!

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



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

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

## RAC 5 SwitchTips



| 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).

# Tip Specifications



## RAC X SWITCHTIP

LTXxxx

| 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<br>Latex Paints | RAC X HandTite Tip Guard (246215) |



## WIDERAC RAC X SWITCHTIP

WRxxx

| 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<br>Latex Paints | RAC X HandTite Tip Guard (246215) |



## FINE FINISH RAC X SWITCHTIP

FFTxxx

| 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) |



## RAC 5 SWITCHTIP

286xxx

| 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<br>Latex Paints | RAC 5 HandTite Tip Guard (243161) |



## LINELAZER RAC 5 SWITCHTIP

LL5xxx

| 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) |



## XHD RAC SWITCHTIP

XHDxxx

| 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) |



## CONTRACTOR FLAT TIPS

269xxx

|  | 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) |



## FINE FINISH FLAT TIPS

163xxx

|  | 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) |



Choosing the right equipment for your business is essential.

Choosing a quality tip will determine the quality of your finish and help you save a significant amount of time and money.

Each Graco tip is 100% tested for flow rate to meet the tough standards of painting contractors. These careful processes ensure you of the quality you've come to expect from Graco.

## Graco Tips Are Easy To Identify

### For example: RAC X LTX-517

1. The first three digits (LTX) are Graco's identification numbers which differentiate various tip styles. An LTX is a Graco RAC X SwitchTip. The second three digits (517) represent the actual tip size (fan and orifice).
2. The number (5), when doubled, indicates approximate fan width when spraying 12 inches (305 mm) from the surface. The fan width on a 517 tip is approximately 10 to 12 inches (254 mm to 305 mm). All Graco tips are tested 12 inches (305 mm) from the surface with the same test material, at the same spraying pressure (LL5 at 6 inches). Different materials and spraying pressures may slightly change the width of your actual fan pattern.
3. The last two digits (17) indicate the tip has a hole size of 0.017 of an inch (0.43 mm). The hole size is directly related to the amount of paint that will flow through the tip. Your actual flow rate will depend on your spraying pressure and the paint you are using (high pressure equals more flow; heavier paints equals less flow).



The 517 indicates the tip size:

- The fan size is double the first digit (5), or 10 inches.
- The orifice size is (17) thousandths of an inch, or .017.

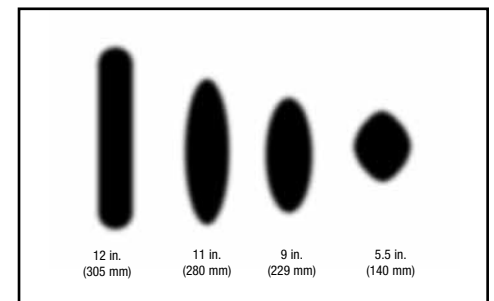
### Worn Tips Cost Time and Money

- A worn tip uses 25% more paint
- Produces uneven coverage and inconsistent mil build
- Reduces production – requires 20% more passes
- Results in a poor quality finish

### Some Quick Rules On Selecting Tip Sizes

- Use smaller orifice sizes when applying lower viscosity materials such as stains and lacquers
- Use larger orifice sizes for heavier viscosity coatings such as latexes or oil bases

### Tip Wear Chart



If a contractor is using a worn tip, on average he will spray 25% additional paint and use an additional 20% of labor.

| MATERIALS TO BE SPRAYED                    | RECOMMENDED TIP SIZES |
|--|-----------------------|
| Oil Base Stains, Lacquers and Clear Coats* | 0.009 - 0.013         |
| Oil Base Enamels, Industrial Enamels       | 0.013 - 0.015         |
| Latex Paint                                | 0.015 - 0.019         |
| Heavy Latex and Smooth Elastometrics       | 0.021 - 0.025         |
| Elastometrics and Block Fillers            | 0.025 - 0.039         |

Chart is a guide - actual tip sizes used will vary depending on material  
\* Fine Finish tip recommended

# 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  |      | 217  | 219  | 221  |      | 225  | 227  |      | 231  |      | 235  |      |      |      |      |       |       |       |       |       |
|                  | 4-6 (102-152)   | 207                   | 209  | 211  | 213  | 215  | 217  | 219  | 321  | 323  | 325  | 327  | 329  | 331  |      |      | 335  |      |      |      |      |       |       |       |       |       |
|                  | 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) |                       |      |      |      |      |      |      | 721  | 723  |      |      |      |      |      |      | 735  |      |      |      |      |       |       |       |       |       |
| 16-18 (406-XXXX) |                 |                       |      |      |      | 817  | 819  | 821  |      |      |      |      |      | 831  | 833  | 835  |      |      |      |      |      |       |       |       |       |       |
| 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  | 5.41  |
| 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 6 in (152 mm) pattern, order LTX315

## WideRAC RAC X SwitchTips

(WRxxxx)



|           |                 | ORIFICE SIZE - INCHES |      |      |      |      |      |      |      |      |      |
|-----------|-----------------|-----------------------|------|------|------|------|------|------|------|------|------|
|           |                 | .021                  | .023 | .025 | .027 | .029 | .031 | .033 | .035 | .037 | .039 |
| Fan Width | 24 (610)        | 1221                  | 1223 | 1225 | 1227 | 1229 | 1231 | 1233 | 1235 | 1237 | 1239 |
|           | Flow Rate (gpm) | .47                   | .57  | .67  | .77  | .90  | 1.03 | 1.17 | 1.31 | 1.47 | 1.63 |
|           | Flow Rate (lpm) | 1.79                  | 2.15 | 2.54 | 2.96 | 3.42 | 3.90 | 4.42 | 4.98 | 5.56 | 6.18 |

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 24 in (610 mm) pattern, order WR1227

### WideRAC Conversion

| RAC 5 or RAC X | WideRAC      |
|----------------|--------------|
| 415 or 515     | 1221 or 1223 |
| 417 or 517     | 1223 or 1225 |
| 419 or 519     | 1225 or 1227 |
| 421 or 612     | 1229 or 1231 |
| 523 or 623     | 1233 or 1235 |
| 525 or 625     | 1235 or 1237 |

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.

## 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  |
| 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 8 in (203 mm) 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  | 211  | 223  | 225  |      |      |      |      | 235  |      |      |      |       |       |       |       |      |  |
|                 | 6-8 (152-203)   |                       | 307  | 309  | 311  | 313  | 315  | 317  | 319  | 321  | 323  | 325  | 327  |      |      | 331  |      |      |      |       |       |       |       |      |  |
|                 | 8-10 (203-254)  |                       | 409  | 411  | 413  | 415  | 417  | 419  | 421  | 423  | 425  | 427  | 429  |      |      | 433  | 435  | 439  | 443  |       | 451   | 455   |       |      |  |
|                 | 10-12 (254-305) |                       | 509  | 511  | 513  | 515  | 517  | 519  | 521  | 523  | 525  | 527  | 529  | 531  | 533  | 535  |      |      |      |       | 551   | 555   | 563   |      |  |
|                 | 12-14 (305-356) |                       | 609  | 611  | 613  | 615  | 617  | 619  | 621  | 623  | 625  | 627  | 629  | 631  | 633  | 635  |      |      | 645  |       |       |       |       |      |  |
|                 | 14-16 (356-406) |                       |      |      |      |      |      |      | 721  | 723  | 725  |      |      |      |      |      |      |      |      |       |       |       |       |      |  |
|                 | 16-18 (406-457) |                       |      |      |      | 815  | 817  | 819  | 821  |      |      |      |      |      | 831  | 833  | 835  |      |      |       |       |       |       |      |  |
|                 | 18-20 (457-508) |                       |      |      |      |      | 917  |      |      |      |      |      |      |      |      | 935  |      |      |      |       |       |       |       |      |  |
|                 | 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 6 in (152 mm) pattern, order 286311

## LineLazer RAC 5 SwitchTips

(LL5xxx)



|                 |                 | ORIFICE SIZE - INCHES |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|-----------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 |                 | .013                  | .015 | .017 | .019 | .021 | .023 | .025 | .027 | .029 | .031 | .033 | .035 |      |       |
| Line Width      | 2 (51)          | 213                   | 215  | 217  | 219  |      |      |      |      |      |      |      |      |      |       |
|                 | 4 (102)         |                       | 315  | 317  | 319  | 321  | 323  | 325  | 327  | 329  | 331  | 333  | 335  |      |       |
|                 | 4-8 (102-204)   |                       |      | 417  | 419  | 421  | 423  | 425  | 427  | 429  | 431  |      | 435  |      |       |
|                 | 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 4 in (102 mm) pattern, order LL5215.  
 Fan width of a spray pattern is measured at 6 in (152 mm) from the surface

# Tip Charts

## XHD RAC SwitchTips

(XHDxxx)



### ORIFICE SIZE - INCHES

| Fan Width       | IN           | (MM) | .007 | .009 | .011 | .013 | .015 | .017 | .019 | .021 | .023 | .025 | .027 | .029 | .031 | .033 | .035 | .037 | .039 | .041 | .043 | .045 | .047 | .049 |
|-----------------|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | 2-4 (51-102) | 107  |      | 109  | 111  | 113  | 115  | 117  | 119  | 121  |      |      | 225  | 227  | 229  | 231  |      | 235  |      | 139  |      |      |      |      |
| 4-6 (102-152)   |              | 307  | 209  | 211  | 213  | 215  | 217  | 219  | 221  |      |      | 323  | 325  | 327  | 329  | 331  | 333  | 335  | 337  | 339  | 341  | 343  | 345  | 347  |
| 6-8 (152-203)   |              |      | 309  | 311  | 313  | 315  | 317  | 319  | 321  |      |      | 423  | 425  | 427  | 429  | 431  | 433  | 435  | 437  | 439  | 441  | 443  | 445  | 447  |
| 8-10 (203-254)  |              |      | 409  | 411  | 413  | 415  | 417  | 419  | 421  |      |      | 523  | 525  | 527  | 529  | 531  | 533  | 535  | 537  | 539  | 541  | 543  | 545  | 547  |
| 10-12 (254-305) |              |      | 509  | 511  | 513  | 515  | 517  | 519  | 521  |      |      | 623  | 625  | 627  | 629  | 631  | 633  | 635  | 637  | 639  | 641  | 643  | 645  | 647  |
| 12-14 (305-356) |              |      | 609  | 611  | 613  | 615  | 617  | 619  | 621  |      |      | 723  | 725  | 727  | 729  | 731  | 733  | 735  | 737  | 739  | 741  | 743  | 745  | 747  |
| 14-16 (356-406) |              |      |      | 711  | 713  | 715  | 717  | 719  | 721  |      |      | 823  | 825  | 827  | 829  | 831  | 833  | 835  | 837  | 839  | 841  | 843  |      | 847  |
| 16-18 (406-457) |              |      |      |      | 813  | 815  | 817  | 819  | 821  |      |      | 923  |      | 927  |      | 931  | 933  | 935  | 937  | 939  |      |      |      |      |
| 18-20 (457-508) |              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 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

| Fan Width       | IN           | (MM)  | .051  | .053  | .055  | .057  | .059  | .061  | .063  | .065  | .067  | .069  | .071  | .075  | .081 |
|-----------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|                 | 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   | 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 10 in (254 mm) pattern, order GHD539

## Contractor Flat Tips

(269xxx)



### ORIFICE SIZE - INCHES

| Fan Width       | IN            | (MM) | .011 | .013 | .015 | .017 | .019 | .021 | .023 | .025 | .027 | .029 | .031 | .035 |
|-----------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | 4-6 (102-152) |      |      | 211  | 213  | 215  | 217  | 219  |      |      | 225  | 227  |      |      |
| 6-8 (152-203)   |               |      | 311  | 313  | 315  | 317  | 319  | 321  | 323  | 325  | 327  |      |      |      |
| 8-10 (203-254)  |               |      | 411  | 413  | 415  | 417  | 419  | 421  | 423  | 425  | 427  |      |      | 435  |
| 10-12 (254-305) |               |      | 511  | 513  | 515  | 517  | 519  | 521  | 523  | 525  | 527  |      | 531  |      |
| 12-14 (305-356) |               |      |      | 613  | 615  | 617  | 619  | 621  | 623  | 625  | 627  |      | 631  | 635  |
| 14-16 (356-406) |               |      |      |      | 715  | 717  | 719  | 721  |      | 725  |      |      |      |      |
| 16-18 (406-457) |               |      |      |      | 815  |      | 819  | 821  |      |      | 827  | 829  | 831  |      |
| 18-20 (457-508) |               |      |      |      |      |      |      |      |      | 925  |      |      |      |      |
| Flow Rate (gpm) |               |      | .12  | .18  | .24  | .31  | .38  | .47  | .57  | .67  | .74  | .90  | 1.03 | 1.31 |
| Flow Rate (lpm) |               |      | .49  | .69  | .91  | 1.17 | 1.47 | 1.79 | 2.15 | 2.54 | 2.96 | 3.42 | 3.90 | 4.98 |

Water @ 2000 psi (138 bar, 13.8 MPa) - paints with a higher viscosity will decrease the flow rate  
 Example: for a tip with a 0.011 in orifice and a 10 in (254 mm) pattern, order 269511

## Fine Finish Flat Tips

(163xxx)



### ORIFICE SIZE - INCHES

| Fan Width       | IN           | (MM) | .008 | .010 | .012 | .014 | .016 | .018 | .020 | .022 | .024 | .026 | .028 | .030 | .032 |
|-----------------|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | 2-4 (51-102) |      |      | 108  | 110  |      |      |      |      |      |      |      |      |      |      |
| 4-6 (102-152)   |              |      | 208  | 210  | 212  | 214  | 216  | 218  |      |      | 224  |      |      |      | 232  |
| 6-8 (152-203)   |              |      |      | 310  | 312  | 314  | 316  | 318  | 320  | 322  | 324  |      |      |      | 432  |
| 8-10 (203-254)  |              |      | 408  | 410  | 412  | 414  | 416  | 418  | 420  |      | 424  | 426  | 428  | 430  |      |
| 10-12 (254-305) |              |      |      | 510  | 512  | 514  | 516  | 518  | 520  | 522  | 524  | 526  | 528  | 530  |      |
| 12-14 (305-356) |              |      |      | 610  | 612  | 614  | 616  | 618  | 620  | 622  | 624  | 626  | 628  |      |      |
| 14-16 (356-406) |              |      |      |      | 712  | 714  | 716  | 718  |      |      | 726  |      |      |      |      |
| 16-18 (406-457) |              |      |      |      |      | 814  | 816  | 818  | 820  | 822  | 824  | 826  | 828  |      | 832  |
| 18-20 (457-508) |              |      |      |      | 912  | 914  |      | 918  |      | 922  | 924  | 926  |      |      |      |
| Flow Rate (gpm) |              |      | .07  | .11  | .15  | .21  | .27  | .35  | .43  | .52  | .62  | .73  | .84  | .97  | 1.1  |
| Flow Rate (lpm) |              |      | .26  | .41  | .59  | .80  | 1.04 | 1.32 | 1.63 | 1.97 | 2.34 | 2.75 | 3.19 | 3.66 | 4.16 |

Water @ 2000 psi (138 bar, 13.8 MPa) - paints with a higher viscosity will decrease the flow rate  
 Example: for a tip with a 0.010 in orifice and a 10 in (254 mm) pattern, order 163510

# Tip Guards

## TIP GUARDS



246215

RAC X HandTite™ Tip Guard

7/8 in (22 mm)

Standard Graco thread

RAC X, FFT, WR

246437

RAC X HandTite Tip Guard

11/16 in (17.5 mm)

Older style Graco Pole Guns,  
Fits Competitive Guns with  
11/16 in threads

RAC X, FFT, WR



243161

RAC 5 HandTite Tip Guard

7/8 in (22 mm)

Standard Graco thread

RAC 5, RAC IV,  
RAC 5 LineLazer

243263

RAC 5 HandTite Tip Guard

11/16 in (17.5 mm)

Older style Graco Pole Guns

RAC 5, RAC IV,  
RAC 5 LineLazer



XHD001

XHD RAC Tip Guard

7/8 in (22 mm)

Standard Graco thread

XHD RAC



220251

Flat Tip Guard

7/8 in (22 mm)

Standard Graco thread

Contractor Flat Tips

220255

Flat Tip Guard

11/16 in (17.5 mm)

Older style Graco Pole Guns,  
Fits Competitive Guns with  
11/16 in threads

Contractor Flat Tips



220247

Fine Finish Flat Tip Guard

7/8 in (22 mm)

Standard Graco thread

Fine Finish Flat Tips

220249

Fine Finish Flat Tip Guard

11/16 in (17.5 mm)

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  
243281

Compatible with most fluids; easy installation without tools  
RAC X OneSeals - 5 pack. Use only with RAC X SwitchTip and Guard  
RAC 5 OneSeals - 5 pack. Use only with RAC 5 SwitchTip and Guard



248936  
224081  
223373  
223374  
114049

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

## TIP BRUSHES



101891  
101892  
119799

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

# BlueMax™ II Hose



1/4 in x 50 ft Shown

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

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.

### 3/16" (4.8 mm) 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

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

- Most commonly sold hose diameter – for all applications

### 3/8" (9.5 mm) 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 HP HIGH PRESSURE HOSE



|        |  |
|--------|--|
| 277249 | 1/4 in x 3 ft (6.4 mm x 0.9 m) MxF Whip Hose |
| 277250 | 1/4 in x 50 ft (6.4 mm x 15 m) FBE           |
| 277351 | 3/8 in x 3 ft (9.5 mm x 0.9 m) MxF Whip Hose |
| 277251 | 3/8 in x 50 ft (9.5 mm x 15 m) FBE           |
| 277253 | 1/2 in x 50 ft (13 mm x 15 m) FBE            |

## XTREME-DUTY AIRLESS HOSE



|        |  |
|--------|--|
| H42503 | 1/4 in x 3 ft (6.4 mm x 0.9 m) MxF Whip Hose |
| H42550 | 1/4 in x 50 ft (6.4 mm x 15 m) FBE           |
| H4251X | 1/4 in x 100 ft (6.4 mm x 30 m) FBE          |
| H43803 | 3/8 in x 3 ft (9.5 mm x 0.9 m) MxF Whip Hose |
| H43850 | 3/8 in x 50 ft (9.5 mm x 15 m) FBE           |
| H4381X | 3/8 in x 100 ft (9.5 mm x 30 m) FBE          |
| H45050 | 1/2 in x 50 ft (13 mm x 15 m) FBE            |
| H4501X | 1/2 in x 100 ft (13 mm x 30 m) FBE           |

## FITTINGS



|        |   |
|--------|---|
| 156971 | 1/4 in npt x 1/4 in npt (6.4 mm x 6.4 mm) – MBE<br>Maximum Working Pressure: 7500 psi (517 bar, 51.7 MPa) |
| 156849 | 3/8 in npt x 3/8 in npt (9.5 mm x 9.5 mm) – MBE<br>Maximum Working Pressure: 6000 psi (420 bar, 42.0 MPa) |
| 158491 | 1/2 in npt x 1/2 in npt (13 mm x 13 mm) – MBE<br>Maximum Working Pressure: 6700 psi (462 bar, 46.2 MPa)   |
| 157350 | 1/4 in npt x 3/8 in npt (6.4 mm x 9.5 mm) – MBE<br>Maximum Working Pressure: 5000 psi (345 bar, 34.5 MPa) |
| 159239 | 1/2 in npt x 3/8 in npt (13 mm x 9.5 mm) – MBE<br>Maximum Working Pressure: 5000 psi (345 bar, 34.5 MPa)  |

## UNIONS



|        |  |
|--------|--|
| 156823 | 1/4 in npt(m) x 1/4 in npsm(f) (6.4 mm x 6.4 mm)<br>Maximum Working Pressure: 5000 psi (345 bar, 34.5 MPa) |
| 155665 | 3/8 in npt(m) x 3/8 in npsm(f) (9.5 mm x 9.5 mm)<br>Maximum Working Pressure: 5000 psi (345 bar, 34.5 MPa) |
| 157705 | 1/4 in npt(m) x 3/8 in npsm(f) (6.4 mm x 9.5 mm)<br>Maximum Working Pressure: 5000 psi (345 bar, 34.5 MPa) |
| 159153 | 3/8 in npt(f) x 1/4 in npsm(f) (13 mm x 9.5 mm)<br>Maximum Working Pressure: 5000 psi (345 bar, 34.5 MPa)  |
| 155570 | 1/4 in npt(f) x 1/4 in npsm(f) (6.4 mm x 9.5 mm)<br>Maximum Working Pressure: 5000 psi (345 bar, 34.5 MPa) |

## AIRLESS FITTINGS PAK



# Airless Hose and Hose Fittings

**Synthetic-braided, 4000 psi (276 bar, 27.6 MPa) maximum working pressure rated at 180° (82.2° C)**

**Wire-braided, 4500 psi (310 bar, 31.0 MPa) maximum working pressure rated at 180° (82.2° C)**

The Airless Fittings Pak provides an assortment of the most commonly sold adaptors, fittings, swivel unions and gaskets in an organized carrying case. All parts are pictured and labeled on the inside cover, making re-ordering easy. See your local distributor to order the Airless Fittings Pak.

# Pressure Rollers

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™ 9 in (230 mm) 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

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



Geospense™ 12 in (305 mm) Pressure Roller.



9 in (230 mm) EvenFlow Roller Frame.



Graco perforated Roller Covers.



# Pressure Roller Accessories

## PRESSURE ROLLER FRAMES



- 244271 9 in (230 mm) EvenFlow Roller Frame with 7/8 in (22 mm) thread; for use with Graco Heavy Duty Extensions
- 244623 9 in (230 mm) 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 9 in (230 mm) Geosperse™ Roller Frame
- 240055 12 in (305 mm) Geosperse Roller Frame

## ROLLER COVERS



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

# Pole Guns

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

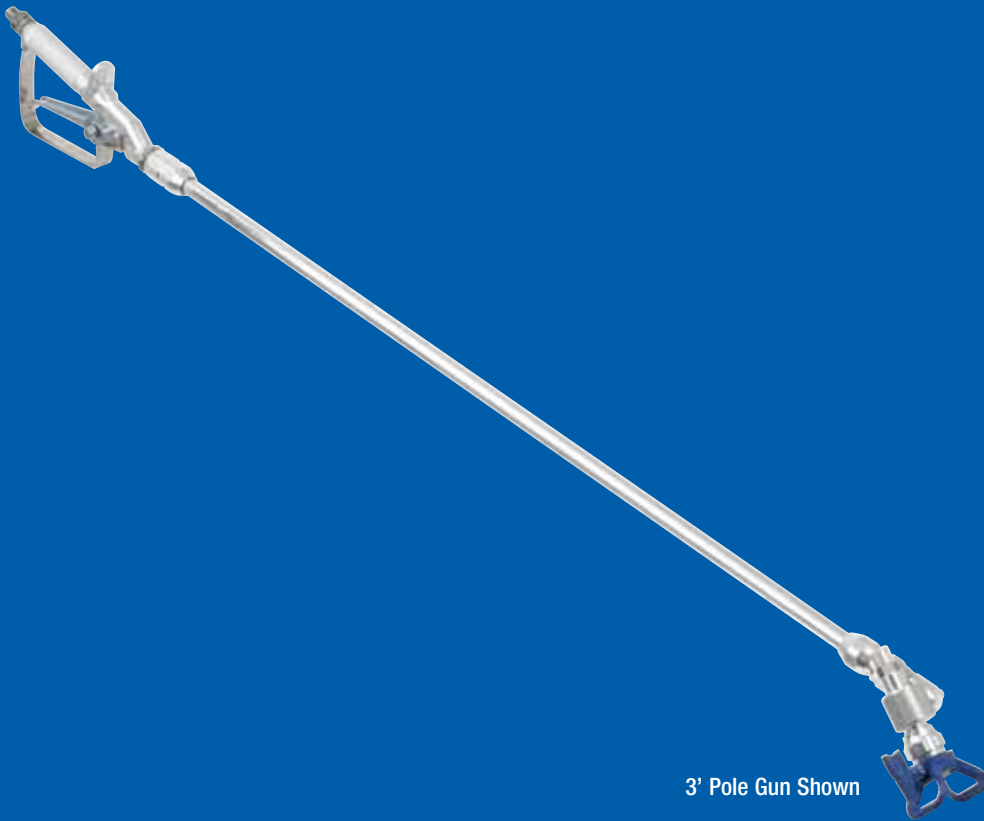
- Unique needle valve shuts fluid off at the tip for a clean pattern – no spitting
- 180 degree tip swivel provides versatility when spraying walls and ceilings
- Pressure-actuated – operates at a minimum of 700 psi (4.8 Mpa, 48 bar)

## 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



| DESCRIPTION         | PART NUMBER | MAX WPR                  | REPAIR KIT                      |
|---------------------|-------------|--------------------------|---------------------------------|
| 3' Pole Gun (0.9 m) | 287023      | 3600 (248 bar, 24.8 MPa) | NA                              |
| 6' Pole Gun (1.8 m) | 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: 7/8 in (22 mm)
- 3 ft (0.9 m)
- 6 ft (1.8 m)



287019  
287020  
287021  
287022

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

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



243295  
243296  
243297  
243298

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

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



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 12 ft (3.6 m)
- Attach to any airless spray gun or In-Line Valve
- Ideal for high pressure spraying or low pressure roller applications
- 10 in (25 cm)
- 20 in (50 cm)
- 40 in (100 cm)
- 60 in (150 cm)
- 80 in (200 cm)



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 7/8 in (22 mm) Contractor In-Line Valve
- 18 to 36 in (45 to 90 cm)
- 36 to 72 in (90 to 180 cm)
- 72 to 144 in (180 to 360 cm)

## ADAPTERS



235486

### 180° Easy Turn Directional Spray Nozzle

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



224399

### 45° Adapter

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

# Strainers and Gun Filters

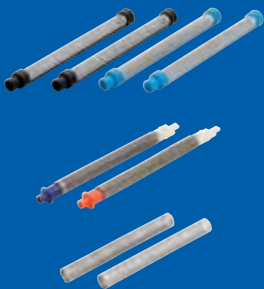
## STRAINERS



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

|        |  |  |
|--------|--|--|
| 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



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

|        |  |
|--------|--|
| 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            |

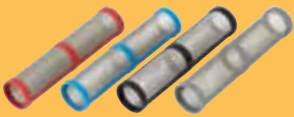
# Manifold and Tip Filters

## THE CORRECT FILTER REDUCES TIP CLOGS

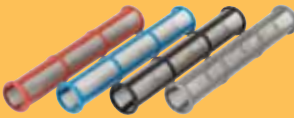
| Mesh Size          | 200   | 100   | 60                     | 30                                     |
|--------------------|---|---|------------------------|--|
| Materials          | Stains, Varnishes, Polyurethane, Solvent-Based Paints | Lacquers, Enamels (Solvent), Solvent-Based Paints | Latex, Enamels (Latex) | Heavy Latex, 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

#### **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, GH200 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

### TIP FILTERS



224454  
224453  
164120  
220254

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 drippless tip guard

# Fluids

## PUMP ARMOR™



243103

Protects pump for storage and freeze proof to - 30° F (-34.4° C).  
Fill pump with Pump Armor and leave it in until you use it again.

1 Quart (1 Liter)

245133

1 Gallon (3.8 Liters)

## TSL™ THROAT SEAL LIQUID



206994

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

8 ounces (.24 Liter)

206995

1 Quart (1 Liter)

206996

1 Gallon (3.8 Liters)

## HYDRAULIC FLUID

207428

Use with Graco HydraMax and GH Sprayers

1 Gallon (3.8 Liters)



# Accessories Warranty

## 1-Year Warranty

Coverage against defects in materials and workmanship on accessories and parts.



*"Time is money. Airless accessories are lightweight, easy to use and clean, and the performance is excellent. I buy Graco because they have the right tool for the right job."*

- Joey Clemens -

Superior Home Design and Renovation  
Orange County, CA



## 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

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