



# Airless Accessories

Graco's Complete Line of Professional Airless Accessories



PROVEN QUALITY. LEADING TECHNOLOGY.

# Essential Tools for Maximum Productivity and Performance.

Quality. Performance.  
Durability. Productivity.

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.



**What is the G4 Difference?** Simply put, it's Graco's commitment to provide you with the very best sprayers, backed by a solid reputation for proven quality, maximum performance, reliable warranty coverage and unmatched on-the-job productivity. Graco sprayers are designed to exceed the professional contractor's standards for quality and performance. Graco is the name to turn to today and as your business grows.

PROVEN **QUALITY**

MAXIMUM **PERFORMANCE**

INDUSTRY-LEADING **WARRANTY**

UNMATCHED **PRODUCTIVITY**

## Choose the **RIGHT ACCESSORY**

**Spray Tips and Guards** Graco spray tips and guards are built to the highest standards and ensure the best finish and maximum life available in the industry.

**Airless Spray Guns** The longest lasting, most reliable airless spray guns on the market, Graco's spray guns are the first choice of painting contractors.

**Hoses and Kits** With superior flexibility and durability, our BlueMax™ II and Xtreme-Duty™ airless hoses are designed to ensure you get maximum performance from your airless sprayer.

**Pump-Fed Rollers and Accessories** Painting has never been easier thanks to Graco's Power Rollers, JetRoller™ and other extended reach accessories. Simply pull the gun trigger when you need more paint and keep rolling.

**Filters and Fluids** Graco offers a complete line of filters and fluids for all of our innovative airless accessories. No matter your job, Graco keeps you working and ensures your equipment delivers industry-leading performance.

## LP SwitchTips

# RAC X™ Low Pressure SwitchTips™

Introducing Graco's expanded family of Low Pressure Tips. Now offering the widest range of tip sizes with the **NEW LP tips for large surface and high production applications** and FF LP Tips for fine finish applications.

Now available in 46 low pressure tip sizes to handle any job, our extended line of RAC® X Low Pressure SwitchTips feature the patented **SmartTip™ Technology** with exclusive internal tip geometry to deliver the industry's best finish at the lowest airless spray pressure.



## LOW PRESSURE BENEFITS NOW A REALITY FOR EVERY JOB

- ▶ **SPRAY AT UP TO 50% LOWER PRESSURE WITH LESS OVERSPRAY**
- ▶ **EASIEST PATTERN OVERLAP**
- ▶ **REDUCES PREP AND CLEANUP**
- ▶ **UP TO 2X LIFE**



FINISH FINISH APPLICATIONS



EVERYDAY APPLICATIONS



HIGH PRODUCTION APPLICATIONS

# Maximum Quality

In any spray application, the quality of your work is only as good as the quality of your finish. Graco spray tips are built to the highest standards and ensure the best finish in the industry. Each Graco tip is 100% tested for flow rate to meet the tough standards of painting contractors, and these careful processes ensure you of the quality you've come to expect from Graco.

### MATERIALS RECOMMENDED TO BE SPRAYED

MATERIALS RECOMMENDED TO BE SPRAYED	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 Elastomerics	0.021 - 0.025
Elastomerics and Block Fillers	0.025 - 0.039

*This chart is a guide only—actual tip sizes used will vary depending on material.*

*\*Fine Finish tip recommended.*

## Choosing the RIGHT TIP for your spraying project is essential.

Graco tips are easy to identify. 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 the quality you've come to expect from Graco.

### For Example: RAC X LTX517

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 and 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).

### Rules On Selecting Tip Sizes

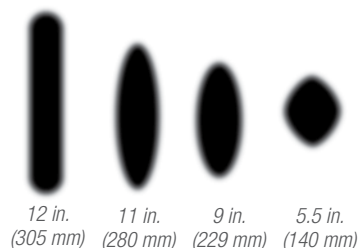
- ▶ Use smaller orifice sizes when applying light viscosity materials such as stains and lacquers
- ▶ Use larger orifice sizes for heavier viscosity coatings such as latex or oil base



### Worn Tips Cost Time and Money

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

#### Tip Wear Chart

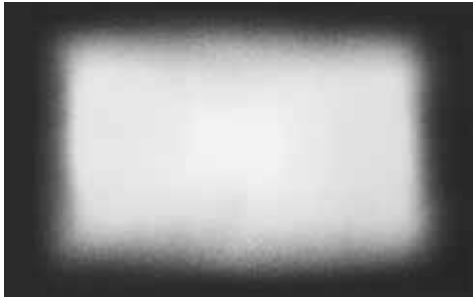


*If a contractor is using a worn tip, on average he will spray 25% additional paint and use an additional 20% of labor.*

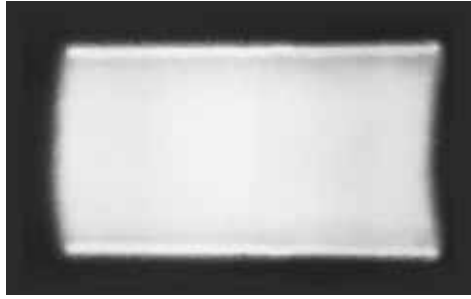
*The 523 indicates the tip size:*

- The fan size is double the first digit (5), or 10 inches.
- The orifice size is (.23) thousandths of an inch or .023.

## Latex Wall Paint at Half the Typical Pressure



FFLP PRODUCES A SUPERIOR FINISH



OTHER TIPS PRODUCE TAILS AT SAME PRESSURE

### Features

#### RAC X Low Pressure & RAC X Fine Finish Low Pressure (Green Handle) Spray With Up to 50% Less Pressure!

- ▶ Sprays at lower pressures with less overspray
- ▶ Patented SmartTip geometry produces a perfect airless finish
- ▶ Up to 2X life
- ▶ Finer atomization and soft edges for easier overlapping
- ▶ Reduces prep and cleanup
- ▶ FF LP Tips include a solvent seal for hot solvents



FFLP tip sizes for fine finish work and LP Tip sizes for higher production applications are listed on page 7.

#### RAC X – Premium Quality Tip (Blue Handle)

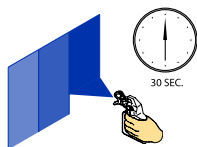
- ▶ Premium airless tip line includes 107 RAC X SwitchTips for every application
- ▶ Longest lasting fan pattern
- ▶ Highest quality finish
- ▶ Available in the most common tip sizes



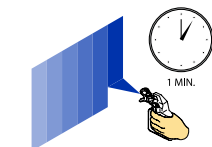
#### RAC X – WideRAC™ (Blue Handle)

- ▶ Spray double the area in half the time while ensuring proper mil build
- ▶ Ideal for high production and new construction applications which may require larger airless sprayers

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



24 in (610 mm)  
Pattern with WideRAC



12 in (305 mm)  
Pattern with Standard Tip



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

# RAC X

RAC X SwitchTips provide the largest and most comprehensive tip offering in the industry. From Low Pressure Fine Finish to high volume WideRac, RAC X Switch Tips cover every application on the market today.

**DESCRIPTION**  
RAC X

**PART #**  
LTXxxx

**APPLICATIONS**  
Residential, Commercial or Industrial

**MATERIALS**  
Lacquers to Mastics

**DESCRIPTION**  
WIDERAC

**PART #**  
WRXxxx

**APPLICATIONS**  
High Production, New Construction

**MATERIALS**  
Lacquers to Mastics

**DESCRIPTION**  
LOW PRESSURE

**PART #**  
LPxxx

**APPLICATIONS**  
Residential, Commercial or Industrial

**MATERIALS**  
Lacquers to Mastics

**DESCRIPTION**  
FINE FINISH  
LOW PRESSURE

**PART #**  
FFLPxxx

**APPLICATIONS**  
Metal, Woodwork  
Residential, and Commercial

**MATERIALS**  
Lacquer, Varnish, Stain, Enamel, Oil Base Paint, Latex Paint

### SUPERIOR FEATURES OF ALL RAC X TIPS

- ▶ 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
- ▶ Large raised tip size numbers are always legible, even when covered with paint
- ▶ For applications requiring 4000 psi (276 bar) and below.

## SwitchTips

# RAC 5

RAC 5 SwitchTips are high-performance tips and are one of the most popular reversible spray tips on the market today. RAC 5 provides excellent fan pattern life and a high quality finish. Easy-to-identify laser stamped tip sizes ensure you'll always know what tip size you're using.

**DESCRIPTION**  
RAC 5

**PART #**  
286xxx

**APPLICATIONS**  
Residential, Commercial  
or Industrial

**MATERIALS**  
Lacquers to Mastics

**DESCRIPTION**  
LINELAZER®

**PART #**  
LL5xxx

**APPLICATIONS**  
Pavement, Concrete, Turf

**MATERIALS**  
Water Base, Alkyd

**DESCRIPTION**  
XHD™ RAC

**PART #**  
XHDxxx

**APPLICATIONS**  
Steel, Roofing

**MATERIALS**  
Industrial Paints, Coatings



RAC 5 LineLazer SwitchTip (LL5xxx)



XHD RAC SwitchTip (XHDxxx)

## Features

### RAC 5 SwitchTip (Black Handle)

- ▶ For residential and commercial applications
- ▶ Includes OneSeal for most common coatings
- ▶ Solvent seal available when using extremely hot solvents










### RAC 5 SwitchTip (Yellow Handle – for LineLazer)

- ▶ 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-based 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
- ▶ Interchangeable with GHD guards and tips
- ▶ Change tip in seconds—no tools required.
- ▶ Locking tab ensures tip stays securely in tip guard

# TIP SPECIFICATIONS

PART #	COLOR	MAXIMUM WPR	TYPICAL APPLICATIONS	BEST USED WITH THESE MATERIALS	TIP GUARD PART #
<b>RAC X SwitchTip</b>					
LTXxxx 	Blue	4050 psi (280 bar, 28.0 MPa)	Residential, Commercial or Industrial	Lacquers to Mastics Latex Paints	RAC X HandTite 246215
<b>WideRAC RAC X SwitchTip</b>					
WRxxxx 	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 246215
<b>Fine Finish Low Pressure RAC X SwitchTip</b>					
FFLPxxx 	Green	4050 psi (280 bar, 28.0 MPa)	Residential, Commercial or Industrial, Cabinetry, Woodworking, Metal and Fine Finish Surfaces	Latex Paints, Lacquers, Varnishes, Urethanes and Other Fine Finish Materials	RAC X HandTite 246215
<b>Low Pressure RAC X SwitchTip</b>					
LPxxx 	Green	4050 psi (280 bar, 28.0 MPa)	Residential, Commercial or Industrial	Lacquers to Mastics Latex Paints	RAC X HandTite 246215
<b>RAC 5 SwitchTip</b>					
286xxx 	Black	4050 psi (280 bar, 28.0 MPa)	Residential, Commercial or Industrial	Lacquers to Mastics Latex Paints	RAC 5 HandTite 243161
<b>RAC 5 SwitchTip (for LineLazer)</b>					
LL5xxx 	Yellow	4050 psi (280 bar, 28.0 MPa)	Parking Lots, Roads, Warehouse Floors, Crosswalks, Athletic Fields	Heavy Waterbase to Thin Alkyd Traffic Paints	RAC 5 HandTite 243161
<b>XHD RAC SwitchTip</b>					
XHDxxx 	Gray	7250 psi (500 bar, 34.5 MPa)	Bridges, Tanks, Farms, Structural Steel and Roofing	Virtually All Paints and Coatings – Solvent and Waterbase	XHD XHD001
<b>Contractor Flat Tip</b>					
269xxx 	Silver	7250 psi (500 bar, 34.5 MPa)	Residential, Commercial	Architectural Coatings or Industrial	Flat Tip 220251
<b>Fine Finish Flat Tip</b>					
163xxx 	Black	5000 psi (345 bar, 34.5 MPa)	Residential, Commercial	Architectural Coatings or Industrial	Flat Tip 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	IN (MM)																									
	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)								721	723			729			735										
	16-18 (406-XXX)						817	819	821			827		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 at 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	IN (MM)										
	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 at 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 621	1229 or 1231
523 or 623	1233 or 1235
525 or 625	1235 or 1237

When you use WideRAC, be sure to increase the orifice size 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 Low Pressure RAC X SwitchTips (FFLPxxx)



		FFLPxxx Orifice Size - Inches				
		.008	.010	.012	.014	.016
Fan Width	IN (MM)					
	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	516
12-14 (305-356)					616	


Water at 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 FFLP410.

**LOWERING SPRAY PRESSURE CAN REDUCE FLOW IN SOME MATERIALS.**

**Increase tip orifice size to maintain speed and material flow if needed.**

## Low Pressure RAC X SwitchTips (LPxxx)



		LPxxx Orifice Size - Inches									
		.013	.015	.017	.019	.021	.023	.025	.027	.029	.031
Fan Width	IN (MM)										
	6-8 (152-203)	313	315								
	8-10 (203-254)		415	417	419	421	423	425			
	10-12 (254-305)		515	517	519	521	523	525	527		
	12-14 (305-356)			617	619	621	623	625	627	629	631
	14-16 (356-406)						723	725		729	731




**SmartTip TECHNOLOGY**

Patented SmartTip™ Technology!

- SPRAYS AT UP TO 50% LOWER PRESSURE
- LESS OVERSPRAY
- EASIEST PATTERN OVERLAP

## 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	IN (MM)																								
	2-4 (51-102)		109	111	113	115		119	121		225														
	4-6 (102-152)	207	209	211	213	215	217	219	211	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		543		551	555	563			
	12-14 (305-356)		609	611	613	615	617	619	621	623	625	627	629	631	633	635			645		655				
	14-16 (356-406)								721	723	725		729			735									
	16-18 (406-457)					815	817	819	821			827		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 at 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.





## RAC 5 SwitchTips (for LineLazer) (LL5xxx)

Orifice Size - Inches

IN	(MM)	.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.033	.035	.039	.055
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		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	3.25
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 at 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.



## XHD RAC SwitchTips (XHDxxx)

Orifice Size - Inches

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								139							
4-6	(102-152)		209	211	213	215	217	219	221		225	227	229	231		235		239						
6-8	(152-203)	307	309	311	313	315	317	319	321	323	325	327	329	331	333	335	337	339	341	343	345	347	349	351
8-10	(203-254)		409	411	413	415	417	419	421	423	425	427	429	431	433	435	437	439	441	443	445	447	449	451
10-12	(254-305)		509	511	513	515	517	519	521	523	525	527	529	531	533	535	537	539	541	543	545	547	549	551
12-14	(305-356)		609	611	613	615	617	619	621	623	625	627	629	631	633	635	637	639	641	643	645	647	649	651
14-16	(356-406)			711	713	715	717	719	721	723	725	727	729	731	733	735	737	739	741	743	745	747	749	751
16-18	(406-457)				813	815	817	819	821	823	825	827	829	831	833	835	837	839	841	843				
18-20	(457-508)									923		927		931	933	935	937	939						
Flow Rate (gpm)		.05	.09	.12	.18	.24	.31	.38	.47	.57	.67	.74	.90	1.03	1.17	1.31	1.47	1.63	1.8	1.98	2.17	2.37	2.58	
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

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	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 at 2000 psi (138 bar, 13.8 MPa); paints with a higher viscosity will decrease the flow rate.

**Example:** For a tip with a .039 in orifice and a 10 in (254 mm) pattern, order XHD539.



## Contractor Flat Tips (269xxx)

Orifice Size - Inches

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	635
12-14	(305-356)		613	615	617	619	621	623	625	627			
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 at 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





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				
8-10	(203-254)	408	410	412	414	416	418	420		424	426	428	430	432
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 at 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

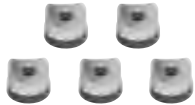
Proven quality and maximum performance are designed and built into every tip guard made by Graco.

TIP GUARDS	PART #	THREAD SIZES	GUNS	TIPS
	246215	7/8 in (22 mm)	Standard Graco thread	RAC X, FFLP, LP, FFT, WR
	246437	11/16 in (17.5 mm)	Older style Graco Pole Guns, Fits Competitive Guns with 11/16 in threads	RAC X, FFLP, LP, FFT, WR
	243161	7/8 in (22 mm)	Standard Graco thread	RAC 5, RAC IV
	243263	11/16 in (17.5 mm)	Older style Graco Pole Guns	LineLazer RAC 5
	XHD001	7/8 in (22 mm)	Standard Graco thread	XHD RAC
	220251	7/8 in (22 mm)	Standard Graco thread	Contractor
	220255	11/16 in (17.5 mm)	Older style Graco Pole Guns, Fits Competitive Guns with 11/16 in threads	Contractor
	220247	7/8 in (22 mm)	Standard Graco thread	Fine Finish Flat
	220249	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

**TIP GASKETS AND SEAL KITS**

► Compatible with most fluids; easy installation without tools

- 246453 RAC X OneSeal – 5 pack. Use only with RAC X SwitchTip and Guard
- 243281 RAC 5 OneSeal – 5 pack. Use only with RAC 5 SwitchTip and Guard
- 17P501 RAC X FF LP OneSeal – 5 pack. Use with RAC X FF LP SwitchTip and Guard



- 248936 RAC X Solvent Seal Kit – 5 pack. Use with RAC X SwitchTip and Guard
- 17P502 RAC X FF LP Solvent Seal Kit – 5 pack. For use with RAC X FF LP SwitchTip and Guard
- 224081 RAC 5 replace Solvent Gasket and Seat – 5 pack. Use only with RAC 5 SwitchTip and Guard
- 223373 Thin Tip Gasket – 25 pack
- 223374 Thick Tip Gasket – 25 pack. Use with tip extensions



**TIP BRUSHES**

► Use to clean spray tips, filters and guns.

- 101891 3/8 in x 2.25 in (9.5 mm x 57.15 mm) nylon bristle
- 101892 5/8 in x 2.25 in (16 mm x 57.15 mm) nylon bristle
- 119799 3/8 in x 1 in (9.5 mm x 25.4 mm) nylon bristle



## Spray Guns

# Contractor™ & FTx™

Exclusive FlexSeal™ Design

Graco's innovative Contractor and FTx Guns are designed to be the longest lasting, most reliable airless spray guns on the market. They're the #1 choice of painting contractors, and they deliver the reliability and performance you've come to expect from Graco to achieve a professional finish.

**DESCRIPTION** PART #  
CONTRACTOR GUN WITH 2-FINGER TRIGGER 288420

**INCLUDES**

- RAC X 517 SwitchTip
- RAC X Guard

**DESCRIPTION** PART #  
CONTRACTOR GUN WITH 4-FINGER TRIGGER 288425

**INCLUDES**

- RAC X 517 SwitchTip
- RAC X Guard

**DESCRIPTION** PART #  
CONTRACTOR GUN WITH 2-FINGER TRIGGER 288421

**INCLUDES**

- RAC 5 515 SwitchTip
- RAC 5 Guard

**DESCRIPTION** PART #  
FTx GUN WITH 4-FINGER TRIGGER 288430

**INCLUDES**

- RAC X 515 SwitchTip
- RAC X Guard

**DESCRIPTION** PART #  
FTx GUN 2-FINGER TRIGGER 288429

**INCLUDES**

- RAC X 515 SwitchTip
- RAC X Guard

**DESCRIPTION** PART #  
FTx GUN WITH 4-FINGER TRIGGER 288431

**INCLUDES**

- RAC 5 515 SwitchTip
- RAC 5 Guard



FTx  
Spray  
Gun



Contractor Spray Gun

## Features

### Exclusive FlexSeal Needle

- ▶ Totally enclosed patented design eliminates needle's exposure to fluid, extends needle life by 70%, and ensures consistent needle shut-off
- ▶ Fluid pushes on seal to quickly shut off needle and reduce spitting
- ▶ Spring is located outside fluid path for better flow
- ▶ Helps eliminate pack out and slow needle shut-off

### Reduced Gun Spitting

- ▶ Repositioned seat is closer to the tip, eliminating 60% of the dead space
- ▶ Less paint left between needle and tip results in less spitting

### Ergonomic Design

- ▶ Form-fitted handle provides maximum control and comfort
- ▶ Detachable trigger guard swings clear of gun handle for easy filter access
- ▶ Lightweight design reduces operator fatigue

### Trigger Lock and Gun Trigger

- ▶ Smooth, lightweight trigger pull with simple, thumb-engaged safety lock
- ▶ Contractor and FTx guns come with 2 or 4 finger triggers

### Modular Needle Cartridge

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

### EasyGlide Swivel

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

### Easy Out™ Gun Filter

- ▶ Filters from the inside out to prevent filter from collapsing
- ▶ Interchangeable with Contractor II and FTx II guns



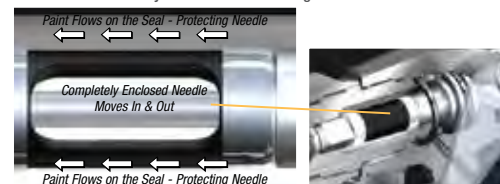
FTx 4-finger gun trigger – full length trigger is easier to hold in continuous spraying.



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

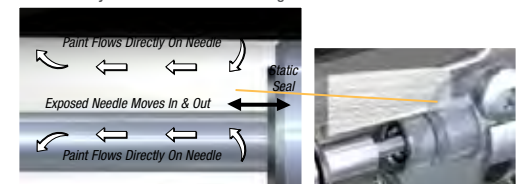
## Graco vs Other Industry-Standard Needle Designs

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

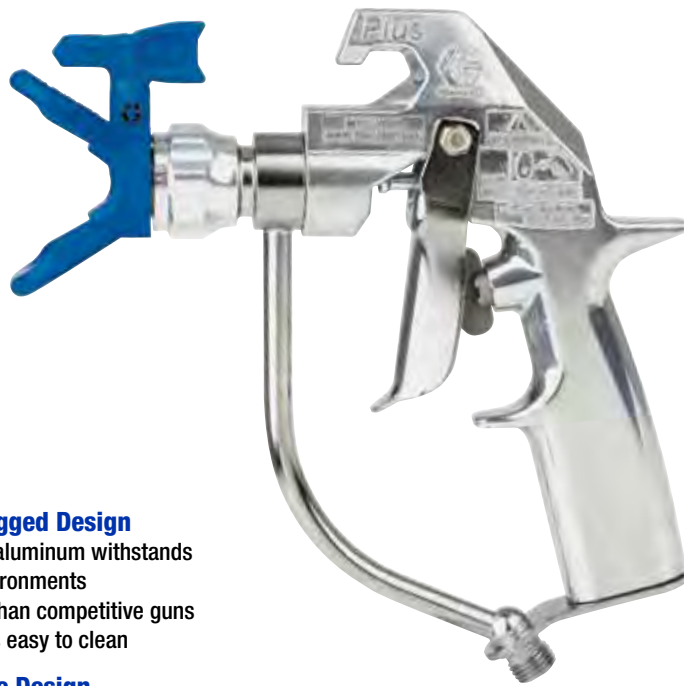


Paint flows directly on needle that moves in and out of a static seal – resulting in needle wear with every trigger pull.

## Spray Guns

# Silver Plus™

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



## Features

### Lightweight, Rugged Design

- ▶ Durable forged aluminum withstands harsh work environments
- ▶ Lighter weight than competitive guns
- ▶ Polished body is easy to clean

### Exclusive Needle Design

- ▶ Factory set needle needs no trigger adjustments
- ▶ Guaranteed for life against breakage
- ▶ Maximum performance and long life

### 2-Finger Trigger Design and Handle

- ▶ Form fitted handle for less fatigue
- ▶ Provides more control of gun while spraying

### Stainless Steel Fluid Tube

- ▶ Fluid flows directly to the tip through the gun fluid tube, giving you the 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 Plus Gun (Part No. 235462), or as an optional Needle Kit (Part No. 235475)
- ▶ Provides faster shut-off to reduce spitting of light viscosity material

## Optional Accessories



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



Gun Filter Housing (210500) with Replaceable Tip Filters (224454 or 224453 tip filters).



Swivel for improved maneuverability at the gun (224457).

DESCRIPTION	PART #
SILVER PLUS GUN WITH 2-FINGER TRIGGER	246240

### INCLUDES

- RAC X 517 SwitchTip and Guard

DESCRIPTION	PART #
SILVER PLUS GUN WITH 2-FINGER TRIGGER	243283

### INCLUDES

- RAC 5 517 SwitchTip and Guard

DESCRIPTION	PART #
SILVER PLUS GUN WITH 2-FINGER TRIGGER	235460

### INCLUDES

- Flat Tip Guard

DESCRIPTION	PART #
SILVER PLUS WITH 2-FINGER TRIGGER	235462

### INCLUDES

- Fine Finish Flat Tip Guard

## Spray Guns

# Heavy-Duty Texture

The ideal guns for heavy coatings and joint compounds. These guns feature oversized passages and a filterless design for maximum flow and superior atomization.

**DESCRIPTION** PART #  
HEAVY-DUTY BLUE TEXTURE GUN WITH 4-FINGER TRIGGER 241705

**INCLUDES**  
• RAC X 531 SwitchTip  
• Heavy-Duty RAC Guard

**DESCRIPTION** PART #  
FLEX PLUS TEXTURE GUN WITH 2-FINGER TRIGGER 246468

**INCLUDES**  
• RAC X 517 SwitchTip  
• RAC X Guard

**DESCRIPTION** PART #  
INLINE HEAVY-DUTY TEXTURE GUN WITH FULL HAND TRIGGER 245820

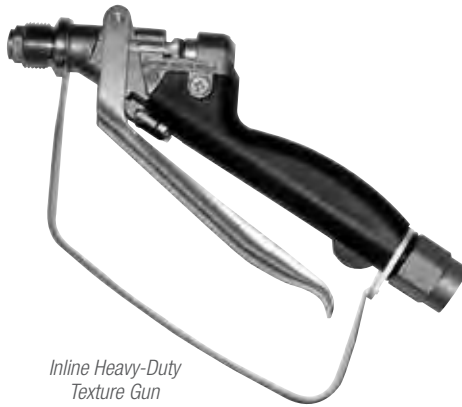
**INCLUDES**  
• RAC 5 SwitchTip



Heavy-Duty Blue Texture Gun



Flex Plus™ Texture Gun



Inline Heavy-Duty Texture Gun

## Features

### Oversized Fluid Path

- ▶ No-filter design offers minimal restriction and maximum flow
- ▶ Minimizes pack-out with heavy materials
- ▶ Reduces pressure drop for superior atomization

### Ergonomic Design

- ▶ Form-fitting handles provide maximum control and comfort while spraying
- ▶ Optimized trigger and lightweight design allows effortless, all-day spraying






### Patented Needle Design

- ▶ Factory set needle needs no adjustment – *ever*
- ▶ Heavy-duty design for maximum performance and long life

### Jobsite Proven

- ▶ Perfect for skim coat in a Level 5 finish, drywall mud, epoxies and a whole range of paints and primers
- ▶ Contractor preferred

# AIRLESS SPRAY GUN SPECIFICATIONS

	PART #	TRIGGER	TIP	GUARD	REPAIR KIT	INSTRUCTION MANUAL	WORKING PRESSURE	FLUID ORIFICE DIAMETER
<b>Contractor Gun</b>								
	288420	2-Finger	RAC X 517	RAC X	288488	311861	3600 psi (248 bar, 24.8 MPa)	0.125 in (3.2 mm)
	288425	4-Finger	RAC X 517	RAC X	288488	311861	3600 psi (248 bar, 24.8 MPa)	0.125 in (3.2 mm)
	288421	2-Finger	RAC 5 515	RAC 5	288488	311861	3600 psi (248 bar, 24.8 MPa)	0.125 in (3.2 mm)
<b>FTx Gun</b>								
	288430	4-Finger	RAC X 515	RAC X	288488	311861	3600 psi (248 bar, 24.8 MPa)	0.125 in (3.2 mm)
	288429	2-Finger	RAC X 515	RAC X	288488	311861	3600 psi (248 bar, 24.8 MPa)	0.125 in (3.2 mm)
	288431	4-Finger	RAC 5 515	RAC 5	288488	311861	3600 psi (248 bar, 24.8 MPa)	0.125 in (3.2 mm)
<b>Silver Plus Gun</b>								
	246240	2-Finger	RAC X 517	RAC X	235474 (For 235462 use repair kit 235475)	309740	5000 psi (345 bar, 34.5 MPa)	0.090 in (2.3 mm) 0.037 in (0.94 mm): 235462 for light viscosity materials
	243283	2-Finger	RAC X 517	RAC X	235474 (For 235462 use repair kit 235475)	309740	5000 psi (345 bar, 34.5 MPa)	0.090 in (2.3 mm) 0.037 in (0.94 mm): 235462 for light viscosity materials
	235460	2-Finger	Not Included	Flat Tip	235474 (For 235462 use repair kit 235475)	309740	5000 psi (345 bar, 34.5 MPa)	0.090 in (2.3 mm) 0.037 in (0.94 mm): 235462 for light viscosity materials
	235462	2-Finger	Not Included	Fine Finish Flat Tip	235474 (For 235462 use repair kit 235475)	309740	5000 psi (345 bar, 34.5 MPa)	0.090 in (2.3 mm) 0.037 in (0.94 mm): 235462 for light viscosity materials
<ul style="list-style-type: none"> <li>• 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</li> </ul>								
<b>Heavy-Duty Texture Gun</b>								
	241705	4-Finger	RAC X 531	Heavy-Duty RAC	237260	308491	4000 psi (276 bar, 27.6 MPa)	0.125 in (3.2 mm)
<ul style="list-style-type: none"> <li>• Lightest weight gun available for airless spray and line striping applications</li> <li>• Airless hose connects directly to gun through spring guard mount on handle base</li> </ul>								
<b>Flex Plus Gun</b>								
	246468	2-Finger	RAC X 517	RAC X	235474	309741	5000 psi (345 bar, 34.5 MPa)	0.090 in (2.3 mm)
	248157	2-Finger	RAC 5 LineLazer® 319	RAC 5	235474	309741	5000 psi (345 bar, 34.5 MPa)	0.090 in (2.3 mm)

## Maximum Performance

### BlueMax II Hose

Graco's BlueMax II Hose is the ideal choice for maximum performance. With superior flexibility and durability, BlueMax II is designed to ensure you get the best results from your airless sprayer.

### Xtreme-Duty Airless Hose

Graco's Xtreme-Duty Airless High-Pressure Hose is designed to withstand the rigors of high-pressure spraying. Wire-braided and with a maximum 4500 psi (310 bar, 31.0 MPa) working pressure, it's designed to meet the most exacting standards.

## BlueMax™ II Hose

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

### Features

- ▶ Lightweight and flexible – 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 – superior flexibility and reduced coil memory provides ease of use during coiling and uncoiling.
- ▶ Corrosion-resistant — yellow zinc-plated spring guards are more corrosion-resistant.



1/4 in x 50 ft Shown



Available in a wide variety of lengths and diameters.

PART #	DESCRIPTION	DIAMETER	LENGTH	TYPE
214981	BlueMax II Hose	3/16 in (4.8 mm)	15 ft (4.6 m)	FBE
214698	BlueMax II Hose	3/16 in (4.8 mm)	25 ft (7.5 m)	FBE
214697	BlueMax II Hose	3/16 in (4.8 mm)	50 ft (15 m)	FBE
223756	BlueMax II Hose	1/4 in (6.4 mm)	15 ft (4.6 m)	FBE
240793	BlueMax II Hose	1/4 in (6.4 mm)	25 ft (7.5 m)	FBE
240794	BlueMax II Hose	1/4 in (6.4 mm)	50 ft (15 m)	FBE
223771	BlueMax II Hose	1/4 in (6.4 mm)	100 ft (30 m)	FBE
240796	BlueMax II Hose	3/8 in (9.5 mm)	25 ft (7.5 m)	FBE
240797	BlueMax II Hose	3/8 in (9.5 mm)	50 ft (15 m)	FBE
241275	BlueMax II Hose	3/8 in (9.5 mm)	100 ft (30 m)	FBE

### Airless Whip Hose

PART #	DESCRIPTION	DIAMETER	LENGTH	TYPE
238358	BlueMax II Whip Hose	3/16 in (4.8 mm)	3 ft (0.9 m)	MxF
238959	BlueMax II Whip Hose	3/16 in (4.8 mm)	4.5 ft (1.4 m)	MxF
238359	BlueMax II Whip Hose	3/16 in (4.8 mm)	6 ft (1.8 m)	MxF
25C827	BlueMax II Whip Hose	1/8 in (3.2 mm)	3 ft (0.9 m)	MxF
25C828	BlueMax II Whip Hose	1/8 in (3.2 mm)	4.5 ft (1.4 m)	MxF
25C832	BlueMax II Whip Hose	1/8 in (3.2 mm)	6 ft (1.8 m)	MxF



Whip Hose provides more flexibility and increased operator control at the gun (Part No. 238358). Maximize spray performance by combining with the New Low Pressure RAC X FF LP Switch Tips.

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



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

### Xtreme-Duty Airless Hose

H42503	1/4 in x 3 ft (6.4 mm x 0.9 m) FBE 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) FBE 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



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



# Selecting the RIGHT HOSE

Selecting the correct diameter hose to meet your length requirements is critical to maximize 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, possibly affecting spray patterns.






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

## Helpful Tips:






- ▶ 3/16 in-diameter (4.8 mm) Airless Hose is ideal for interior pressure rolling or low pressure applications
- ▶ 1/4 in-diameter (6.4 mm) Airless Hose is the most commonly sold hose diameter and is suitable for all applications
- ▶ 3/8 in-diameter (9.5 mm) Airless Hose delivers the best performance at the gun, and it can handle heavier material and longer hose length with the least amount of pressure drop

## Hose Fittings, Unions, and Hose Accessories

### FITTINGS

	156971	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)
	156849	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)
	158491	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)
	157350	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)
	159239	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	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)
	155665	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)
	157705	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)
	159153	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)
	155570	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)

### AIRLESS FITTINGS PAK



The Airless Fittings Pak provides an assortment of the most commonly sold adapters, 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.

## Economic Combos

# Gun & Hose Kits

Graco has made it easy to get up and spraying quickly with our Gun and Hose kits. These kits combine our most popular gun and hose combinations into economical packages that fit any application.

Whether you're applying fine finish, texture, heavy mastics, latex or oil-based paints—we have a gun kit ready. Also, keeping a spare kit on hand means you're always prepared for large projects where dual gun applications are required.



288425 Gun shown



241705 Gun shown

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



288425 Gun shown

RAC X FINE FINISH	GUN	BLUEMAX II AIRLESS HOSE	HOSE WPR	TIP	INCLUDES
288501	Contractor	3/16 in x 25 ft (4.8 mm x 7.5 m)	3300 psi (227 bar, 22.7 MPa)	RAC X FFLP210 FFLP312	HandTite Guard, 10 in (25 cm) Tip Extension  (2) 100 Mesh Gun Filters Solvent Seal Kit Cleaning Brush
287823	Silver Plus .037 in (.94 mm) orifice	3/16 in x 25 ft (4.8 mm x 7.5 m)	3300 psi (227 bar, 22.7 MPa)	RAC X FFLP210 FFLP312	HandTite Guard, 10 in (25 cm) Tip Extension (2) 100 Mesh Tip Filters Gun Filter Housing Solvent Seal Kit Cleaning Brush

# Gun & Hose Kits



288497 Gun shown

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



SG3 Gun shown

RAC IV	GUN	AIRLESS HOSE	HOSE WPR	TIP	INCLUDES
243105	SG3	1/4 in x 50 ft (6.4 mm x 15 m)	3000 psi (207 bar, 20.7 MPa)	RAC IV 515	RAC IV Guard

## GUN FILTER HOUSING



**Part #**  
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)

## GUN SWIVEL



**Part #**  
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)

## GUN ADAPTER



**Part #**  
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

## Rolling Systems

# 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.

**DESCRIPTION** PART #  
EvenFlow™ Pressure Roller Assembly 244279

**MAXIMUM WPR**  
3600 psi (248 bar, 24.8 MPa)

### INCLUDES

- 9 in (230 mm) EvenFlow Roller Frame
- 1/2 in (13 mm) Roller Cover
- 20 in (50 cm) Fixed Extension & 45° Angle

**DESCRIPTION** PART #  
EvenFlow Telescoping Roller Assembly 244281

**MAXIMUM WPR**  
3000 psi (227 bar, 22.7 MPa)

### INCLUDES

- 18 in to 36 in (46 cm to 91 cm) Telescoping Extension
- 9 in (230 mm) EvenFlow Roller Frame
- 1/2 in (13 mm) Roller Cover

**DESCRIPTION** PART #  
EvenFlow In-Line Valve Roller Assembly 245397

**MAXIMUM WPR**  
3600 psi (248 bar, 24.8 MPa)

### INCLUDES

- 1 Contractor In-Line Valve
- 20 in (50 cm) Fixed Extension
- 9 in (230 mm) EvenFlow Roller Frame
- 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

## Features

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

- ▶ Evenly distributes paint without heavy build-up
- ▶ Chrome plated, stainless steel frame resists corrosion
- ▶ Lighter design for less fatigue
- ▶ Few parts for quick cleaning and easy tool-free assembly between color changes
- ▶ Typical pressure roller application requires 300 psi (21 bar , 2.1 Mpa)

### 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
- ▶ Rotates 180° for rolling in tight areas

### EvenFlow Telescoping Roller Assembly

- ▶ Connects directly to Contractor In-Line Valve or any airless spray gun with a 45° angle (sold separately, part number 224399)

## 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) Geospense Roller Frame with 7/8 in (22 mm) thread
240055	12 in (305 mm) Geospense Roller Frame with 7/8 in (22 mm) thread

## 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
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

## Rolling Systems

# 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

#### INCLUDES

- 9 in Roller Handle Assembly
- 12 in Roller Handle Extension
- 20 in Heavy-Duty Extension
- CleanShot™ Shut-Off Valve
- RAC X 721 SwitchTip and Guard

DESCRIPTION	PART #
JetRoller System	24U172

#### INCLUDES

- 9 in Roller Handle Assembly
- 12 in Roller Handle Extension
- 20 in Heavy-Duty Extension
- CleanShot Shut-Off Valve
- RAC X 721 SwitchTip and Guard
- Contractor In-Line Valve

DESCRIPTION	PART #
JetRoller System (Canada)	24V926

#### INCLUDES

- 9.5 in Roller Handle Assembly
- 12 in Roller Handle Extension
- 20 in Heavy-Duty Extension
- CleanShot Shut-Off Valve
- RAC X 721 SwitchTip and Guard
- Contractor In-Line Valve

DESCRIPTION	PART #
JetRoller System	24W128

#### INCLUDES

- 18 in Adjustable Roller Handle Assembly
- 12 in Roller Handle Extension
- 20 in Heavy-Duty Extension
- CleanShot Shut-Off Valve
- WR 1223 SwitchTip and Guard
- Contractor In-Line Valve

#### JETROLLER PARTS/ACCESSORIES

DESCRIPTION	PART #
9 in Roller Handle Assembly	24V829
9.5 in Roller Handle Assembly (Canada)	24V937
12 in Roller Handle Extension	24V832
45° Adapter	224399
6 ft BlueMax II Whip Hose	238359
18 in Roller Handle Assembly	24W130

**ROLL YOUR  
PROJECT IN  
HALF THE TIME!**



## Features

### Saves Time & Money

- ▶ Combines rolling and spraying into one action

### In-line Valve

- ▶ Eliminates dipping the roller in paint and is up to 4X faster than standard rolling

### Easily Detachable Handle

- ▶ Use the spray extension or hand roller independently

### CleanShot Shut-Off Valve

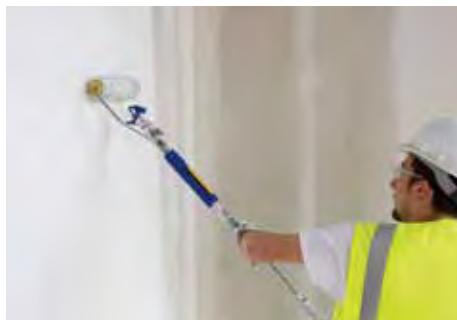
- ▶ Eliminates spits and drips

### 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)



## Extensions

# Extended Reach Tools

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.

**DESCRIPTION**  
3 ft Pole Gun (0.9 m)

**PART #**  
287023

**MAXIMUM WPR**  
3600 (248 bar, 24.8 MPa)

**DESCRIPTION**  
6 ft Pole Gun (1.8 m)

**PART #**  
287024

**MAXIMUM WPR**  
3600 (248 bar, 24.8 MPa)

**DESCRIPTION**  
CleanShot™ Valve

**PART #**  
287030

**MAXIMUM WPR**  
3600 (248 bar, 24.8 MPa)

**REPAIR KIT**  
CleanShot Valve - 244162  
Swivel - 244363



3 ft Pole Gun Shown

## Features

### 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° 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



CleanShot Shut-Off Valve (287030)



Contractor In-Line Valve (244161)

# Extended Reach Accessories



### 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)
- |        |              |
|--------|--------------|
| 244163 | 3 ft (0.9 m) |
| 244164 | 6 ft (1.8 m) |



### 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)
- |        |               |        |               |
|--------|---------------|--------|---------------|
| 287019 | 10 in (25 cm) | 287021 | 20 in (50 cm) |
| 287020 | 15 in (38 cm) | 287022 | 30 in (75 cm) |



### 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)
- |        |               |        |               |
|--------|---------------|--------|---------------|
| 243295 | 10 in (25 cm) | 243297 | 20 in (50 cm) |
| 243296 | 15 in (38 cm) | 243298 | 30 in (75 cm) |



### Heavy-Duty Extensions

**Maximum WPR: 3600 psi, (248 bar, 24.8 MPa)**

- ▶ Tough, lightweight 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
- |        |                |        |                |
|--------|----------------|--------|----------------|
| 232121 | 10 in (25 cm)  | 232124 | 60 in (150 cm) |
| 232122 | 20 in (50 cm)  | 232125 | 80 in (200 cm) |
| 232123 | 40 in (100 cm) |        |                |



### 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
- |        |                              |
|--------|------------------------------|
| 218775 | 18 to 36 in (45 to 90 cm)    |
| 218776 | 36 to 72 in (90 to 180 cm)   |
| 218777 | 72 to 144 in (180 to 360 cm) |

## ADAPTERS



235486



224399

### 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: 7/8 in (22 mm)
- ▶ Instruction Manual: 308244

### 45° Adapter

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

## Strainers & Gun Filters

The easiest way to maximize spray performance is to use Graco brand strainers and filters in your sprayers and guns.

Using and maintaining filters also saves time and money by extending the life of your equipment and reducing project down time.

Designed for easy field replacement, it's a great idea to keep an extra strainer, manifold filter and gun filter with you on every project.

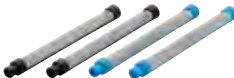


### INLET STRAINERS

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

	246385	7/8 in (unf) thread – Nylon 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, 455/495 ST Pro Lo-Boy, Ultra Max 695/795 Lo-Boy, GM3000 Lo-Boy, 390/395/450/455/490/495 ST Stand, Ultra 600 Lo-Boy
	183770	3/4 in (npsm) thread – SST Cap	455/495 ST Pro Hi-Boy, Ultra Max 695 Hi-Boy, GM3000 Hi-Boy, LineLazer 3000, 495 ST 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	490 ST Hi-Boy, Ultra 600 Lo-Boy
	237820	Twist Lock, Nylon (unf)	390 STS
	181073	1/2 in (npt) thread – SST Cap	EM390™, EM490™, Ultra 400, Ultra 500 Lo-Boy
	257033	1 in (npsm) thread – Crush-proof design for unmatched pump protection	Ultra Max II 1095/1595, GMAX II 5900/7900 IronMan, TEXSPRAY™ Mark V™ IronMan

### GUN FILTERS

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

	257129	New Contractor (Contractor II, FTx Guns) 30 Mesh – 1 per card
	257130	New Contractor (Contractor II, FTx Guns) 200 Mesh – 1 per card
	287032	New Contractor (Contractor II, FTx Guns) 60 Mesh – 1 per card
	287033	New Contractor (Contractor II, FTx Guns) 100 Mesh – 1 per card
	287034	New Contractor (Contractor II, FTx Guns) 60 & 100 Mesh – 1 per card
	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



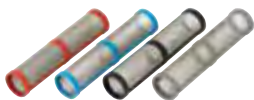
# Manifold & Tip Filters

## 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 inch	.013 – .015 inch	.015 – .029 inch	.031 inch +

Clean and replace filters often to ensure proper spraying pressure.

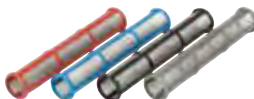
## MANIFOLD FILTERS



### EASY OUT FILTERS, SHORT

For use with ST, STX, 390, Ultra 395/495/595 Airless Sprayers

- 246425 Short, Gray, Vertical, 30 Mesh – 1 per card
- 246384 Short, Black, Vertical, 60 Mesh – 1 per card
- 246382 Short, Blue, Vertical, 100 Mesh – 1 per card
- 246383 Short, Red, Vertical, 200 Mesh – 1 per card



### EASY OUT FILTERS, LONG

For use with Ultra Max, GMAX, GH 200 and HydraMax Airless Sprayers

- 244071 Long, Gray, Vertical, 30 Mesh – 1 per card
- 244067 Long, Black, Vertical, 60 Mesh – 1 per card
- 244068 Long, Blue, Vertical, 100 Mesh – 1 per card
- 244069 Long, Red, Vertical, 200 Mesh – 1 per card



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

- 243080 Short, Black, Horizontal, 60 Mesh – 1 per card
- 243081 Short, Blue, Horizontal, 100 Mesh – 1 per card
- 243226 Short, Red, Horizontal, 200 Mesh – 1 per card



### STANDARD FILTERS - SHORT

- 236495 Filter Screen, 30 Mesh – 2 per card
- 236496 Latex Filter Screen, 60 Mesh – 2 per card
- 236497 Enamel Filter Screen, 100 Mesh – 2 per card
- 236498 Stain Filter Screen, 200 Mesh – 2 per card



### STANDARD FILTERS - LONG

- 224458 Filter Screen, 30 Mesh – 2 per card
- 224459 Latex Filter Screen, 60 Mesh – 2 per card
- 224468 Enamel Filter Screen, 100 Mesh – 2 per card
- 224469 Stain Filter Screen, 200 Mesh – 2 per card

## TIP FILTERS

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



- 224454 Latex Tip Filter, 60 Mesh – 5 per card
- 224453 Enamel/Stain Tip Filter, 100 Mesh – 5 per card
- 164120 Tip Filter Housing
- 220254 Tip Filter Kit – Contains two tip filters (60 & 100 Mesh), tip filter housing and one dripless tip guard

## Pump Lower & Fluids

One of the most important sprayer components is the pump lower. Graco Fluids are proprietary formulations designed to protect Graco lowers from corrosion and freezing. They will extend pump life and assure sprayers are in top performance when you need them.

Graco manufactures the industry's most durable and simple-to-replace pump lowers. These lowers are wear items and need regular maintenance to operate at peak performance. Keeping a spare lower on hand for quick and easy replacement will maximize spray time.

### PUMP ARMOR™ FLUID

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



243103	1 quart (1 liter)
245133	1 gallon (3.8 liters)

### TSL™ THROAT SEAL LIQUID

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



206994	8 ounces (.24 liter)
206995	1 quart (1 liter)
206996	1 gallon (3.8 liters)

### HYDRAULIC FLUID

- ▶ Use with Graco HydraMax and GH Sprayers

207428	1 gallon (3.8 liters)
--------	-----------------------

### PUMP LOWERS

- ▶ Graco Pump Lower Kits 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 Lower Kits)



17J556	Express Pump Lower Kit for 390, Ultra 395, Ultra Max II 490/495/595, GMAX 3400, FinishPro 395
17J552	Express 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
17C718	Endurance™ Pump Lower Kit for 390, Ultra 395, Ultra Max II 490/495/595, GMAX 3400, FinishPro 395
17C487	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
16Y598	Endurance Pump Lower Kit for Ultra Max 695/795, and GMAX II 3900 Standard
16X414	Endurance Pump Lower Kit for New Ultra Max 695/795, and GMAX II 3900 ProContractor™ with ProConnect™ II



[gracopartsbook.com](http://gracopartsbook.com)

The fast and easy way to look up common Graco parts.



# ONE PART THE BETTER SOLUTION



**GRACO HAS YOU COVERED WITH OVER 50 PUMP LOWERS FOR ANY SPRAYER BUILT IN THE LAST 10 YEARS!**



- ▶ **ON-THE-JOB PUMP REPLACEMENT – GET BACK TO SPRAYING IN A MATTER OF MINUTES!**
- ▶ **ELIMINATE COSTLY DOWNTIME**
- ▶ **GENUINE GRACO PARTS, PROVEN TO DELIVER LONGEST LIFE – ACCEPT NO SUBSTITUTES**



## 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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