



# GRACO® G40 AIR-ASSISTED SPRAY GUNS



## PART NUMBERS AND SCHEMATICS GUIDE

## Company Profile

Since 1944, Marco has developed a strong tradition of providing innovative and reliable products and services to the surface preparation and protective coatings industries. We are the world's premier provider of Abrasives, Blasting Equipment, Coating Equipment, Engineered Systems, Rental Equipment, Safety Equipment, Service, and Repair.

Through innovative designs and a total commitment to quality, Marco manufactures products that increase production rates, create a safer workplace, and reduce maintenance costs. Marco's industry experience, manufacturing capabilities, legendary customer service, product availability, logistics services, and technology leadership is your assurance that we deliver high quality products and services, providing the best value to you, our customer.

## The Marco Difference

- **Industry Experience** – With Marco on your team, you have access to expertise which can only come from over 65 years of industry leadership. We have organized our engineering department, production specialists, customer operations, and safety support into a “Center of Competence.” As a Marco customer, you have access to hundreds of years of cumulative experience related to your operations.
- **Manufacturing Excellence** – Marco is a U.S. based, ISO 9001:2008 certified manufacturer of equipment for the Surface Preparation and Protective Coatings industries. Marco's engineers benchmark the industry to ensure that we design and manufacture superior products that set the “Gold Standard” for performance, safety, and quality.
- **Legendary Customer Service** – Marco's legendary customer service team is staffed by friendly, highly-trained individuals who are focused on providing the highest level of product support, order accuracy, and customer satisfaction.
- **Product Availability** – We stock over 10,000 SKU's and have over 45 shipping locations to serve North American and International markets for all major brands of blasting and painting equipment. As the largest provider of surface preparation and protective coatings equipment in the world, our inventory levels and product availability are unmatched.
- **Logistics Services** – Marco's in-house logistics team is dedicated to moving your shipment anywhere in the world. We move over 14,000 truckloads every year, allowing you to save on freight costs by leveraging our buying power. Lower your process costs with a single invoice, which includes product and freight.
- **Technology Leadership** – Our website provides: Operator's Manuals, Part Numbers and Schematics Guides, MSDS information, and Features and Specifications Guides, providing access to information 24/7. Our Extranet application allows you to receive quotes and place orders online. Our Intranet maintains a complete record of your purchase history to assist with ongoing support of your existing equipment and future purchasing decisions.

## Vision Statement

Marco is the world's premier provider of Abrasives, Blasting Equipment, Coating Equipment, Engineered Systems, Rental Equipment, Safety Equipment, Service, and Repair.

## Mission Statement

Marco provides strong leadership and innovation to the surface preparation and protective coatings industries. We dedicate our efforts to the continuous improvement of our products, services, processes, people, and most importantly, the quality of our customer's experience.

## Quality Statement

Marco is committed to providing superior quality in the design, manufacturing, distribution, rental, service, and repair of our products. Our ISO 9001:2008 certification extends throughout all operations in all locations. Continuous improvement of our processes and supply chain Integration comprise the core of our business strategy for delivering exceptional quality and value in all Marco products and services.

## Management Philosophy

We are a company dedicated to the success of every customer and associate. We discuss, debate, challenge, measure, and test our ideas. We will be boundless and limitless in our passion to improve. Through sound leadership and dedicated associates, we will ensure a long term, profitable future for Marco, our associates, customers, and suppliers.

# TABLE OF CONTENTS

<b>Table of Contents</b> .....	<b>3</b>
<b>Graco® G40 Air-Assisted Spray Guns</b> .....	<b>4-15</b>
Graco® G40 Air-Assisted Spray Guns .....	4
Tip Guards .....	5
Tip Specifications.....	5
Graco® G40 Air Assisted Spray Gun	
Part Numbers and Schematics.....	6-7
AAM Fine Finish Flat Tips.....	8
GG4 Industrial Flat Tips.....	9
AAF Fine Finish Flat Tips.....	10
Graco® G40 with RAC® Tip Air Assisted Spray Gun	
Part Numbers and Schematics .....	11-12
RAC X SwitchTips .....	13
WideRAC™ Tips.....	14
RAC X Fine Finish SwitchTips.....	15
<b>Optional Accessories</b> .....	<b>16-17</b>
Tip Gaskets.....	16
Tip Filters .....	17
Tip Brushes.....	17
<b>Maintenance Notes</b> .....	<b>18-19</b>

## PART NUMBERS & SCHEMATICS GUIDE

		<b>GRACO® G40 AIR-ASSISTED SPRAY GUNS</b>					
<b>Part Numbers</b>		<b>Trigger Style</b>	<b>Tip Included</b>	<b>Gun Style</b>	<b>Tip Guard</b>	<b>Maximum Working Air Pressure</b>	<b>Maximum Working Fluid Pressure</b>
	<b>20G24C855AAM517</b>	2-Finger	AAM517	G40 High Pressure	X	100 psi	4000 psi
	<b>20G24C856AAM417</b>	2-Finger	AAM417	G40 High Pressure, Hi-Flow Gun	X	100 psi	4000 psi
	<b>20G24C856AAM419</b>	2-Finger	AAM419	G40 High Pressure, Hi-Flow Gun	X	100 psi	4000 psi
	<b>20G24C857LTX517</b>	2-Finger	LTX517	G40 RAC® Spray Gun	X	100 psi	4000 psi

## PART NUMBERS & SCHEMATICS GUIDE

		TIP GUARD SUMMARY		
Part Numbers		Description	Thread Size	U.O.M.
	20G24D439	For Use with AAM, AAF and GG4 Tips <i>(Includes O-Ring and Washer)</i>	7/8 Inch	One Each
	20G24C921	For Use with LTX, FFT and WRX Tips <i>(Includes Housing Cylinder)</i>	7/8 Inch	One Each

		TIP SPECIFICATION SUMMARY			
Part Numbers	Maximum Working Pressure	Color	Typical Applications	Typical Materials	
	AAM Fine Finish Tips (20GAAMxxx) 4,000 psi	Gray	High finish quality applications at Low and Medium Pressures	Virtually all Paints and Coatings – Solvent and Water-base	
	GG4 High Wear Industrial Tips (20GGG4xxx) 4,000 psi	Gray	High Pressure Applications	Architectural Coatings	
	AAF Fine Finish Pre-Orifice Tips (20GAAFxxx) 4,000 psi	Gray	Thinning Materials, Waterborne and Lacquers	Lacquers, Varnishes, Urethanes, and other Fine Finish Materials	
	RAC X SwitchTips (20GLTXxxx) 4,050 psi	Blue	Residential, Commercial or Industrial	Lacquers to Mastics Latex Paints	
	WideRAC™ (20GWRXxxx) 4,050 psi	Blue	High Production, New Construction for Top Coats, Large Concrete and Block Surfaces	Lacquers to Mastics Latex Paints	
	Fine Finish Tips (20GFFTxxx) 4,050 psi	Green	Cabinetry, Woodworking, Metal and Fine Finish Surfaces	Lacquers, Varnishes, Urethanes and Other Fine Finish Materials	

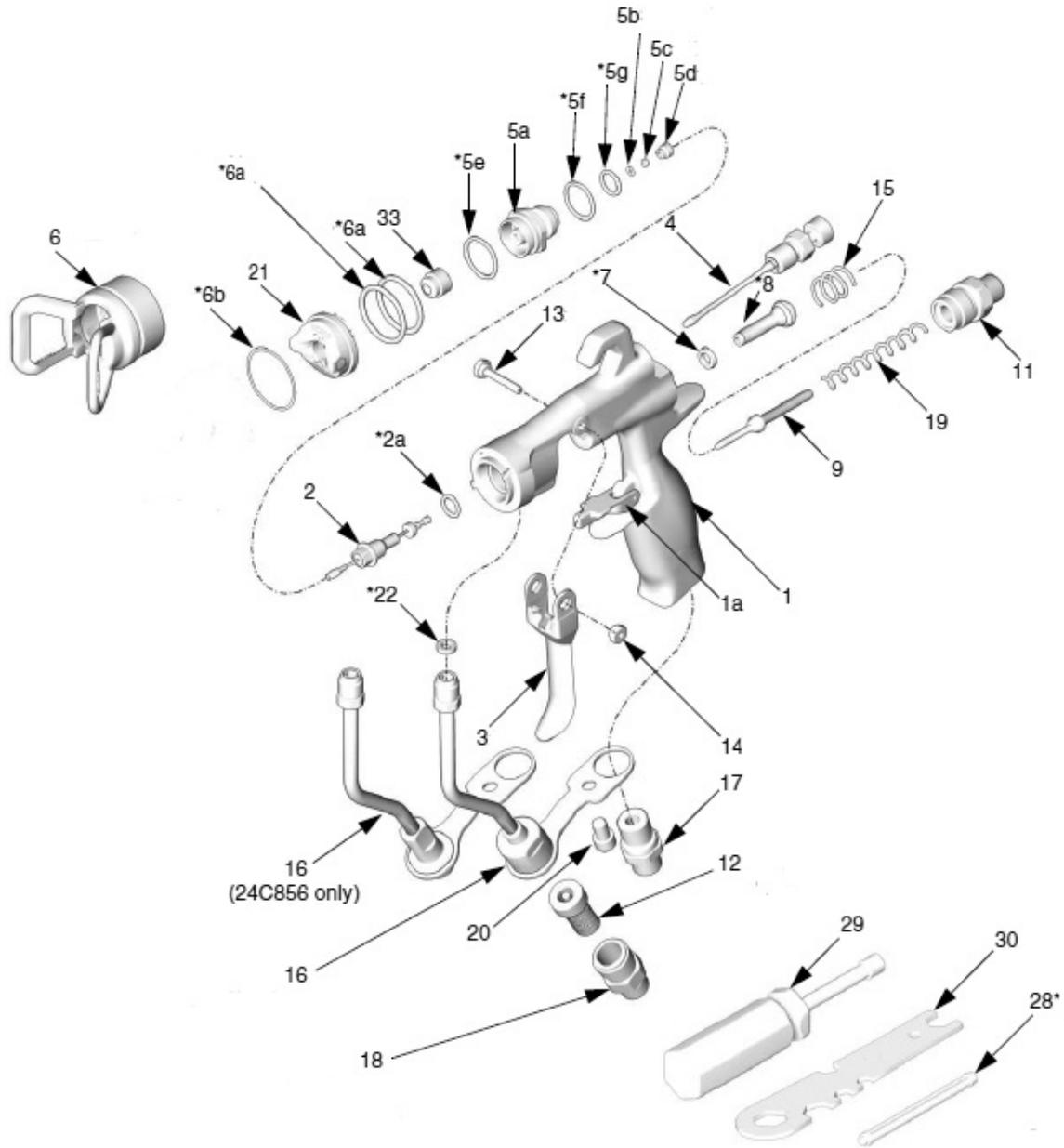
# PART NUMBERS & SCHEMATICS GUIDE

## Graco® G40 Air Assisted Spray Guns

Item #	Part #	Description	Item #	Part #	Description
<b>Fig. 1</b>			<b>Fig. 1</b>		
1	—	Body, Gun	28*	—	Tool, Installation Seal
1a	20G249423	Stop Trigger	29	20G117642	Tool, Nut Driver
2	20G24B789	Needle Assembly, 3/32 ball, carbide	30	20G15F446	Tool, Gun
2a*	20G110004	Packing, O-ring	31	20G222385	Card, Warning ( <i>not shown</i> )
3	—	Trigger, Gun	32	20G172479	Tag, Warning ( <i>not shown</i> )
4	20G249135	Valve, fan assembly	33	—	Spray Tip
5	20G249133	Diffuser, assembly	33a	20G183616	Gasket, Tip ( <i>not shown</i> )
5a	—	Diffuser, housing	—	20G249422	Seal Repair Kit (Includes item #'s 2a, 5e, 5f, 5g, 6a, 6b, 7, 8, 22 and 28)
5b	20G288619	Gasket Seat, Nylon	—	20G249456	Carbide Seat Repair Kit (Includes item #'s 5b, 5c and 5d)
5c	—	Seat, carbide	—	20G249585	Trigger Repair Kit (Includes item #'s 3, 13 and 14)
5d	—	Nut, Seat	—	20G253032	Air Cap Seal Kit (Includes item #'s 6a and 6b)
5e*	20G111116	Packing, O-Ring, Seat	—	206M534	Part Numbers and Schematics Guide-Graco® G40 Spray Gun
5f*	20G109450	Packing, O-Ring	—	109V534	Operator's Manual – Graco® G40 Air Assisted Spray Guns
5g*	20G111457	Packing, O-Ring	* Items not sold separately		
6	20G24D439	Tip Guard			
6a*	20G109213	Packing, O-Ring			
6b*	20G15G320	Washer			
7*	20G188493	Packing, U-Cup			
8*	—	Valve, Air Assembly			
9	20G16A529	Shaft, Fluid Spring			
11	20G15F195	Cap, Spring			
12	20G224453	Filter, Tip (Package of Five, 24C855 only)			
13	20G15F739	Pin, Pivot			
14	20G15F740	Pin, Pivot Nut			
15	20G114069	Spring, Compression			
16	20G24D436	Tube, Assembly (24C855 only)			
—	20G249317	Tube, Assembly (24C856 only)			
17	20G15F202	Fitting, Air Inlet			
18	20G24D437	Fitting, Hose (24C855 only)			
19	20G115141	Spring, Compression			
20	20G119996	Screw, Cap Socket 1/4-20 x 3/8" (24C855 only)			
21	20G249180	Air Cap			
22*	20G115133	Gasket, Tube, Acetal			

# PART NUMBERS & SCHEMATICS GUIDE

Figure 1: Graco® G40 Air Assisted Spray Guns



## PART NUMBERS & SCHEMATICS GUIDE

		AAM FINE FINISH TIP SPECIFICATIONS				
	<b>Part Numbers</b>	Maximum Working Pressure	Color	Typical Applications	Typical Materials	
	<b>AAM Fine Finish Tips (20GAAMxxx)</b>	4,000 psi	Gray	High Finish Quality Applications at Low and Medium Pressures	Virtually all Paints and Coatings – Solvent and Water-base	

### AAM Fine Finish Tips (20GAAMxxx)

		ORIFICE SIZE – INCHES														
		.011	.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.033	.035	.037	.039
FAN WIDTH	IN	.011	.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.033	.035	.037	.039
	4-6	211	213	215	217	219										
	6-8	311	313	315	317	319	321									
	8-10	411	413	415	417	419	421	423	425			431		435		
	10-12	511	513	515	517	519	521	523		527						539
	12-14	611	613	615	617	619	621	623	625	627	629	631	633			639
	14-16	711	713	715	717	719	721	723	725						737	
	16-18			815	817	819	821		825	827				833		839
	18-20				917	919	921	923	925							
	Flow Rate (gpm)		.12	.18	.24	.31	.38	.47	.57	.67	.74	.90	1.03		1.31	

# PART NUMBERS & SCHEMATICS GUIDE

## GG4 HIGH WEAR INDUSTRIAL TIP SPECIFICATIONS

	<b>Part Numbers</b>	<b>Maximum Working Pressure</b>	<b>Color</b>	<b>Typical Applications</b>	<b>Typical Materials</b>
	<b>GG4 High Wear Industrial Tips (20GG4xxx)</b>	4,000 psi	Gray	High Pressure Applications	Architectural Coatings

### GG4 High Wear Industrial Tips (20GG4xxx)

		ORIFICE SIZE – INCHES																
FAN WIDTH		IN	.011	.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.033	.035	.037	.039	
FAN WIDTH	4-6	211	213	215	217	219												
	6-8	311	313	315	317	319	321											
	8-10	411	413	415	417	419	421	423	425				431		435			
	10-12	511	513	515	517	519	521	523		527								539
	12-14	611	613	615	617	619	621	623	625	627	629	631	633					639
	14-16	711	713	715	717	719	721	723	725								737	
	16-18			815	817	819	821		825	827				833				839
	18-20				917	919	921	923	925									
		Flow Rate (gpm)	.12	.18	.24	.31	.38	.47	.57	.67	.74	.90	1.03		1.31			

## PART NUMBERS & SCHEMATICS GUIDE

		<b>AAF FINE FINISH PRE-ORIFICE TIP SPECIFICATIONS</b>			
<b>Part Numbers</b>		<b>Maximum Working Pressure</b>	<b>Color</b>	<b>Typical Applications</b>	<b>Typical Materials</b>
	<b>AAF Fine Finish Pre-Orifice Tips (20GAAFxxx)</b>	4,000 psi	Gray	Thinning Materials, Waterborne and Lacquers	Lacquers, Varnishes, Urethanes, and other Fine Finish Materials

### AAF Fine Finish Pre-Orifice Tips (20GAAFxxx)

		<b>PRE-ORIFICE SIZE – INCHES</b>				
		<b>0.009</b>	<b>.011</b>	<b>.013</b>	<b>.015</b>	<b>.017</b>
<b>FAN WIDTH</b>	<b>IN</b>					
	<b>4-6</b>	208	210	212		
	<b>6-8</b>	308	310	312		
	<b>8-10</b>	408	410	412	414	416
	<b>10-12</b>		510	512	514	516
	<b>12-14</b>		610	612	614	616
	<b>14-16</b>		710	712	714	716
	<b>16-18</b>					
	<b>Flow Rate (gpm)</b>		.12	.18	.24	.31

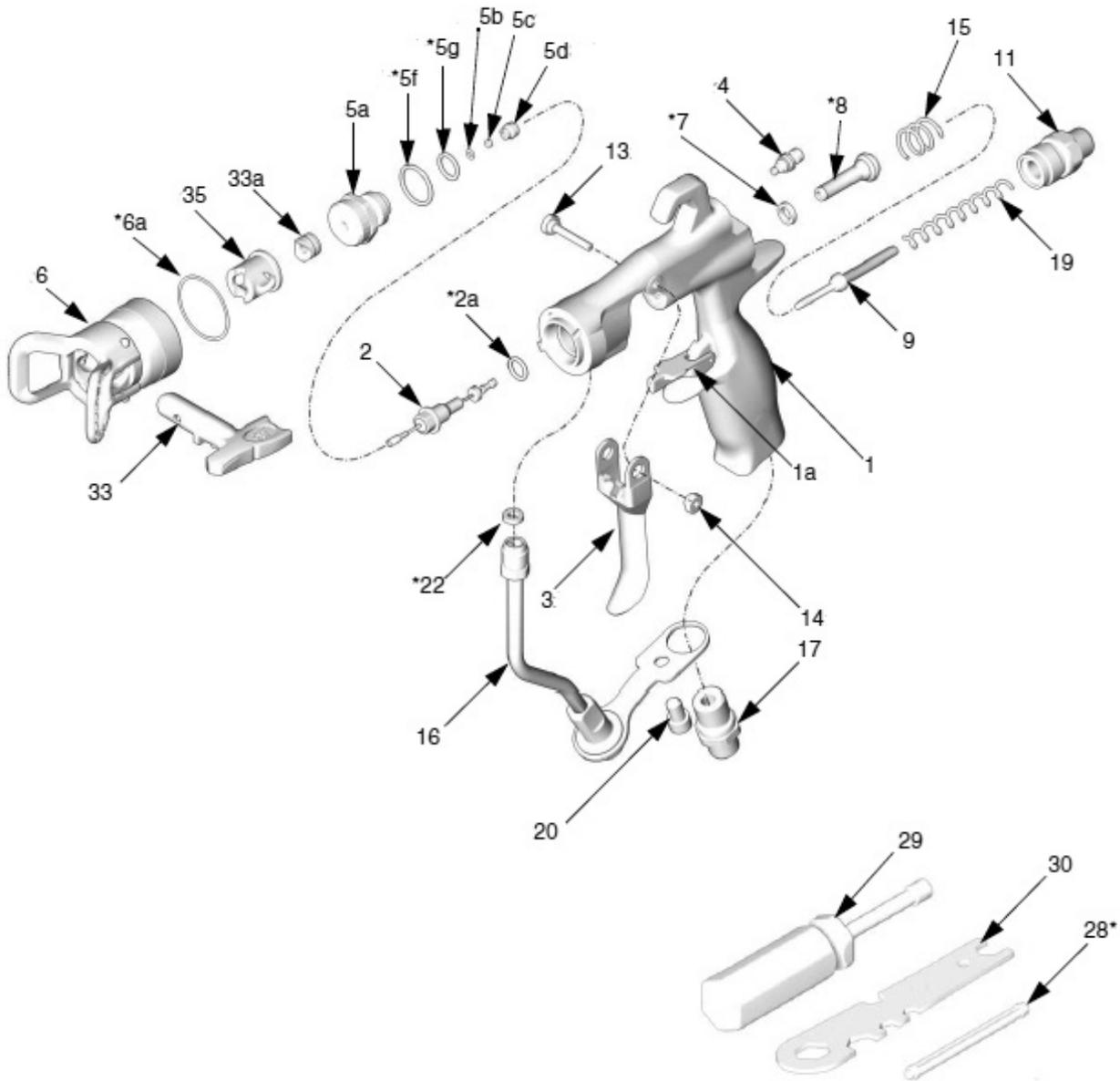
## PART NUMBERS & SCHEMATICS GUIDE

### Graco® G40 with RAC® Tip Air Assisted Spray Guns

Item #	Part #	Description	Item #	Part #	Description
<b>Fig. 2</b>			<b>Fig. 2</b>		
1	—	Body, Gun	32	20G172479	Tag, Warning ( <i>not shown</i> )
1a	20G249423	Stop Trigger	33	—	Spray, Tip
2	20G24B789	Needle Assembly, 3/32 ball, carbide	33a	20G246453	RAC Gasket, Standard, Black
2a*	20G110004	Packing, O-ring	—	20G248936	RAC Gasket, Solvent Resistant, Orange
3	—	Trigger, Gun	35	20G15F442	Housing, Cylinder
4	20G15G713	Valve, fan assembly	—	20G249422	Seal Repair Kit (Includes item #'s 2a, 5e, 5f, 5g, 6a, 7, 8, 22 and 28)
5	20G249877	Diffuser, assembly	—	20G249456	Carbide Seat Repair Kit (Includes item #'s 5b, 5c and 5d)
5a	—	Diffuser, housing	—	20G249585	Trigger Repair Kit (Includes item #'s 3, 13 and 14)
5b	20G288619	Gasket Seat, Nylon	—	20G24C791	RAC Conversion Kit (Includes item #'s 4, 5, 5a, 5b, 5c, 5d, 5e, 5f, 5g, 6, 6a and 35)
5c	—	Seat, Carbide	—	206M534	Part Numbers and Schematics-Graco® G40 Spray Gun
5d	—	Gasket Seat, Carbide	—	109V534	Operator's Manual – Graco® G40 Air Assisted Spray Guns
5e*	20G111116	Packing, O-Ring, Seat	* Items not sold separately		
5f*	20G109450	Packing, O-Ring			
5g*	20G111457	Packing, O-Ring			
6	20G24C921	Tip Guard			
6a*	20G109213	Packing, O-Ring			
7*	20G188493	Packing, U-Cup			
8	—	Valve, Air Assembly			
9	20G16A529	Shaft, Fluid Spring			
11	20G15F195	Cap, Spring			
13	20G15F739	Pin, Pivot			
14	20G15F740	Pin, Pivot Nut			
15	20G114069	Spring, Compression			
16	20G249317	Tube, Assembly			
17	20G15F202	Fitting, Air Inlet			
19	20G115141	Spring, Compression			
20	20G119996	Screw, Cap Socket 1/4-20 x 3/8"			
22*	20G115133	Gasket, Tube, Acetal			
28*	—	Tool, Installation Seal			
29	20G117642	Tool, Nut Driver			
30	20G15F446	Tool, Gun			
31	20G222385	Card, Warning ( <i>not shown</i> )			

# PART NUMBERS & SCHEMATICS GUIDE

Figure 2: Graco® G40 with RAC® Tip Air Assisted Spray Guns



# PART NUMBERS & SCHEMATICS GUIDE

## RAC X SWITCHTIPS SPECIFICATIONS

	Part Numbers	Maximum Working Pressure	Color	Typical Applications	Typical Materials
	RAC X SwitchTips (20GLTXxxx)	4,050 psi	Blue	Residential, Commercial or Industrial	Lacquers to Mastics Latex Paints

### RAC X Switchtips (20GLTXxxx)

		ORIFICE SIZE – INCHES																
		IN	.007	.009	.011	.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.033	.035	
FAN WIDTH	2-4			109	111		115											
	4-6	207	209	211	213	215	217	219	221		225	227			231		235	
	6-8		309	311	313	315	317	319	321	323	325	327	329	331			335	
	8-10		409	411	413	415	417	419	421	423	425	427	429	431	433	435		
	10-12		509	511	513	515	517	519	521	523	525	527	529	531	533	535		
	12-14			611	613	615	617	619	621	623	625	627	629	631	633	635		
	14-16									721	723			729				735
	16-18							817	819	821			827		831	833	835	
	Flow Rate (gpm)		.05	.09	.12	.18	.24	.31	.38	.47	.57	.67	.74	.90	1.03	1.17	1.31	

### RAC X Switchtips (20GLTXxxx) (continued)

		ORIFICE SIZE – INCHES											
		IN	.037	.039	.041	.043	.045	.051	.055	.061	.065	.071	
FAN WIDTH	4-6												
	6-8												
	8-10		439	441	443	445	451	455					
	10-12	537	539	541	543	545	551	555	561				
	12-14	637	639	641	643	645	651	655	661	665	671		
	14-16												
	16-18												
	Flow Rate (gpm)		1.47	1.63	1.8	1.98	2.17	2.79	3.25	4.0	4.53	5.41	

## PART NUMBERS & SCHEMATICS GUIDE

<b>WIDERAC™ SWITCHTIPS SPECIFICATIONS</b>					
	<b>Part Numbers</b>	<b>Maximum Working Pressure</b>	<b>Color</b>	<b>Typical Applications</b>	<b>Typical Materials</b>
	<b>WideRAC™ (20GWRXxxx)</b>	4,050 psi	Blue	High Production, New Construction for Top Coats, Large Concrete and Block Surfaces	Lacquers to Mastics Latex Paints

### WideRAC™ Switchtips (20GWRXxxx)

		<b>ORIFICE SIZE – INCHES</b>										
<b>FAN WIDTH</b>	<b>IN</b>	<b>.021</b>	<b>.023</b>	<b>.025</b>	<b>.027</b>	<b>.029</b>	<b>.031</b>	<b>.033</b>	<b>.035</b>	<b>.037</b>	<b>.039</b>	
	<b>24</b>		1221	1223	1225	1227	1229	1231	1233	1235	1237	1239
	<b>Flow Rate (gpm)</b>		.47	.57	.67	.77	.90	1.03	1.17	1.31	1.47	1.63

### WideRAC X Conversion (20GWRXxxx)

<b>RAC X</b>	<b>WideRAC</b>
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

# PART NUMBERS & SCHEMATICS GUIDE

## RAC X FINE FINISH SWITCHTIPS SPECIFICATIONS

	<b>Part Numbers</b>	<b>Maximum Working Pressure</b>	<b>Color</b>	<b>Typical Applications</b>	<b>Typical Materials</b>
	<b>RAC X Fine Finish Switchtips (20GFFTxxx)</b>	4,050 psi	Green	Cabinetry, Woodworking, Metal and Fine Finish Surfaces	Lacquers, Varnishes, Urethanes and Other Fine Finish Materials

### RAC X Fine Finish Switchtips (20GFFTxxx)

		ORIFICE SIZE – INCHES				
		IN	.008	.010	.012	.014
FAN WIDTH	2-4		108	110	112	
	4-6		208	210	212	214
	6-8		308	310	312	314
	8-10			410	412	414
	10-12			510	512	514
	12-14				612	614
	Flow Rate (gpm)		.07	.11	.15	.21

# PART NUMBERS & SCHEMATICS GUIDE

		<b>TIP GASKETS</b>		
<b>Part Numbers</b>		<b>Description</b>	<b>Color</b>	<b>Package Quantity</b>
	<b>20G246453</b>	RAC X™ One Seal	Black	5/Package
	<b>20G248936</b>	RAC X™ Solvent Resistant Gaskets	Orange	5/Package

## PART NUMBERS & SCHEMATICS GUIDE

		<b>TIP FILTERS</b>	
<b>Part Numbers</b>		<b>Mesh Size</b>	<b>Package Quantity</b>
	20G224454	60 Mesh	5/Package
	20G224453	100 Mesh	5/Package

		<b>TIP FILTER HOUSING</b>	
<b>Part Numbers</b>		<b>Size</b>	<b>Package Quantity</b>
	20G164120	7/8" x 11/16" Inches	One Each

		<b>TIP BRUSHES</b>	
<b>Part Numbers</b>		<b>Size</b>	<b>Bristle Material</b>
	20G101892	5/8 x 2-1/4 Inches	Nylon





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fax: 281.542.0736

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- **Ohio**  
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- **Texas**  
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● Direct Shipping Locations

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