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Graco spray tip size guide

Graco tip size chart.

In Inches)	Orifice Size									
Fan Size	0.008	0.010	0.012	0.014	0.016					
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	516					
12-14					616					

Speed Advice Use smaller tip size when applying thinner materials such as stains and enamelsUse larger sizes for thicker materials such as exterior, latex and oil based paintsThe larger the size of the tip hole, the faster the material leaves the gunA 313 tip sprays faster than a 311 or 411 tip Understanding Tip Wear and Effects Since most coatings have solids that cause abrasion, spray tips will wear with normal use. When a tip wears, the orifice size increases and the fan width decreases. This causes more paint to hit a smaller area, which wastes paint and slows productivity. It's important to replace a tip when it gets worn to make sure you get a precise spray pattern, maximum productivity and quality finish on your project. Tip Wear Advice Always turn down the spray pressure as low as it can go, while still spraying a good spray pattern. This not only saves paint by reducing overspray but it also reduces tip wear and prolongs pump life. Tip life varies by coating. Recommended replacement times:Latex - Replace after 15-40 gallonsOils & Stains - Replace after 35-60 gallons Do not increase the pump pressure - this only wastes paint and causes unnecessary pump component wear. Order Graco LineLazer tips These yellow tips are specifically designed for line stripping machines. Creates clean, laser-sharp lines with no fuzzy edges. Sprays heavy water-based to thin alkyd traffic paints. Fits the orange RAC5 tip guard. LL5 and tip size - LL5xxx such as LL5319.

All tips in the AAP												
	*Fluid Output,	9 oz/min (lpm)	Maximum Pattern Width at 12 in (305 mm)									
Orifice Size in (mm)	at 600 psi (4.1 MPa, 41 bar)	at 1000 psi (7.0 MPa, 70 bar)	4 to 6 (150)	6 to 8 (200)	8 to 10 (250)	10 to 12 (300)	12 to 14 (350)	14 to 16 (400)	16 to 1 (450)			
† 0.009 (0.229)	7.0 (0.2)	9.1 ((0.27)	209	309	409	509						
+ 0.011 (0.279)	10.0 (0.3)	13.0 (0.4)	211	311	411	511	611					
0.013 (0.330)	13.0 (0.4)	16.9 (0.5)	213	313	413	513	613	713				
0.015 (0.381)	17.0 (0.5)	22.0 (0.7)	215	315	415	515	615	715	815			
0.017 (0.432)	22.0 (0.7)	28.5 (0.85)		317	417	517	617	717	817			
0.019 (0.483)	28.0 (0.8)	36.3 (1.09)			419	519	619	719				
0.021 (0.533)	35.0 (1.0)	45.4 (1.36)			421	521	621	- 10000	821			
Orifice Size	at 600 psi	at 1000 psi	6 to 8	8 to 10	10 to 12	12 to 14	14 to 16					
Orifice Size	*Fluid Output, t at 600 psi		Maximum Pattern Width at 12 in (305 6 to 8 8 to 10 10 to 12 12 to 14									
in (mm)	(4.1 MPa, 41 bar)	(7.0 MPa, 70 bar)	(200)	(250)	(300)	(350)	(400)					
0.011 (0.279)	9.5 (0.28)	12.5 (0.37)	310	410	510	610	710					
0.013 (0.330)	12.0 (0.35)	16.0 (0.47)	312	412	512	612	712	1				
0.015 (0.381)				44.4		614	711	l				
0.017 (0.432)		21.0 (0.62)		414	514	614	714					
	20.0 (0.59) water	26.5 (0.78)		414	514 516	614 616	714 716					
Tips are tested in a LTX Tip Cha All tips in the LTX	20.0 (0.59) water	26.5 (0.78) sed with Model 28809 nish tips (FFTxxx) and	wide RAC tip	416 un. Order des s (WRXXxxx). R	516	o LTXxxx) fro	716	n chart below.				
Tips are tested in a LTX Tip Cha All tips in the LTX	20.0 (0.59) water ort selection chart can be used accommodates fine fine	26.5 (0.78) sed with Model 28800 nish tips (FFTxxx) and z/min (lpm)	wide RAC tip Maximum to 6 6	un. Order des s (WRXxxx). R n Pattern W to 8 8 8	516 ired tip (part refer to instruction to 10 10 10	616 o LTXxxxx) fro tion manual 3 (305 mm) to 12 12	716	n chart below.				
Tips are tested in a LTX Tip Chat All tips in the LTX The RAC aircap als Orifice Size	20.0 (0.59) water Ift selection chart can be use accommodates fine fir "Fluid Output, fl o at 2000	26.5 (0.78) sed with Model 28805 nish tips (FFTxxxx) and sz/min (lpm) psi 4 60 bar) (1	Maximur to 6 6 50) (2	un. Order des s (WRXxxx). R n Pattern W to 8 8 8	516 ired tip (part refer to instruction to 10 10 10	616 o LTXxxx) fro tion manual 3 o (305 mm) to 12 12	716 m the selection (11052.	n chart below.				
Tips are tested in a LTX Tip Cha All tips in the LTX The RAC aircap ale Orifice Size in (mm)	20.0 (0.59) water ert selection chart can be use accommodates fine file "Fluid Output, fl o at 2000 (14.0 MPa, 14	26.5 (0.78) sed with Model 28809 nish tips (FFTxxxx) and z/min (lpm) psi 4 40 bar) (1	Maximum to 6 6 50) (7	un. Order des s (WRXXxxx). R n Pattern W to 8 8 1 XXX (200)	516 ired tip (part n effer to instruc- lidth at 12 in to 10 10 (3	616 o LTXxxx) fro tion manual 3 o (305 mm) to 12 12	716 m the selection (11052.	n chart below.				
Tips are tested in a LTX Tip Cha All tips in the LTX The RAC aircap ale Orifice Size In (mm) 0.009 (0.229)	20.0 (0.59) water art selection chart can be use accommodates fine for "Fluid Output, fl o at 2000 (14.0 MPa, 14) 11.2 (0.33)	26.5 (0.78) sed with Model 28800 nish tips (FFTxxx) and z/min (lpm) psi 4 40 bar) (1	Maximur to 6 6 6 50) (7	416 un. Order des s (WRXXxxx). R n Pattern W to 8 8 1 000) (2	516 ired tip (part refer to instruction 10 10 10 (3) 111 5	616 o LTXxxx) fro tion manual 3 (305 mm) to 12 12 (00) (3	716 m the selection (11052.	n chart below.				
Tips are tested in a LTX Tip Cha All tips in the LTX. The RAC aircap als Orifice Size in (mm) 0.009 (0.229) 0.011 (0.279)	20.0 (0.59) water ort selection chart can be us so accommodates fine for at 2000 (14.0 MPa, 14.11.2 (0.33) 16.6 (0.49)	26.5 (0.78) sed with Model 28800 nish tips (FFTxxx) and z/min (lpm) poi 4 60 bar) (1	Maximum to 6 6 50) G 109 3 111 3	416 un. Order des s (WRXXxxx). R n Pattern W to 8 8 1 000) (2 009	516 ired tip (part n efer to instruc- lidth at 12 in to 10 10 (50) (3	616 o LTXcoo) fro tion manual 3 (305 mm) to 12 12 (00) (3	716 m the selection (11052.	n chart below.				
Tips are tested in a LTX Tip Cha All tips in the LTX. The RAC aircap als Orifice Size In (mm) 0.009 (0.229) 0.011 (0.279) 0.013 (0.330)	20.0 (0.59) water Int selection chart can be us so accommodates fine file "Fluid Output, ff or at 2000 (14.0 MPa, 14 11.2 (0.33) 16.6 (0.49) 23.3 (0.69)	26.5 (0.78) sed with Model 28806 nish tips (FFTxxxx) and z/min (lpm) psi 4 60 bar) (1	Maximum to 6 6 6 50) (7 (109 113 113 115 115 115 115 115 115 115 115	416 un. Order des s (WRXXxxx) R n Pattern W to 8 8 8 2000) (2 2009 311 4 313 4 315 4	516 ired tip (part nefer to instruction 10 10 10 (3) 111 5 113 5 115 5	616 o LTXxxxx) fro tion manual 3 (305 mm) to 12 12 (00) (3	716 m the selection (11052.	n chart below.				
Tips are tested in a LTX Tip Cha All tips in the LTX The RAC aircap als Orifice Size In (mm) 0.009 (0.229) 0.011 (0.279) 0.013 (0.330) 0.015 (0.381)	20.0 (0.59) water Tt selection chart can be use accommodates fine file "Fluid Output, ff or at 2000 (14.0 MPa, 1- 11.2 (0.33) 16.6 (0.49) 23.3 (0.69) 30.8 (0.91)	26.5 (0.78) sed with Model 28805 nish tips (FFTxxxx) and z/min (lpm) psi 4 40 bar) (1	Maximum to 6 6 6 50) (7 (109 111 113 115 117 117 117 117 117 117 117 117 117	un. Order des s (WRXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	516 ired tip (part n efer to instruc- idth at 12 in to 10 10 (50) (3 111 5 113 5 117 5	616 o LTXxxxx from manual 3 (305 mm) to 12 12 (00) (3	716 m the selection (11052.	n chart below.				
Tips are tested in a LTX Tip Cha MI tips in the LTX. The RAC aircap ale in (mm) 0.009 (0.229) 0.011 (0.279) 0.013 (0.330) 0.015 (0.381) 0.017 (0.432)	20.0 (0.59) selection chart can be use accommodates fine fit selection chart can be use accommodates fine fit selection (14.0 MPa, 14.11.2 (0.33) 16.6 (0.49) 23.3 (0.69) 30.8 (0.91) 39.5 (1.17)	26.5 (0.78) sed with Model 28805 nish tips (FFTxxxx) and z/min (lpm) psi 4 40 bar) (1	Maximum to 6 6 6 50) (7 (109 13 115 117 119 119 119 119 119 119 119 119 119	416 un. Order des s (WRXXxxx) R Pattern W to 8 8 1 800) (2 809 811 4 813 4 815 4 817 4	516 ired tip (part n effer to instruc- idth at 12 in 10 10 10 250) (3 111 5 113 5 117 5 119 5	616 o LTXxxxx) fro tion manual 3 (305 mm) to 12 12 (305 mm) 11 11 113 115 6 117 6 119 6	716 In the selection (11052) Ito 14 (150)	n chart below.				
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Tips are tested in a LTX Tip Cha NI tips in the LTX The RAC aircap at In (mm) 0.009 (0.229) 0.011 (0.279) 0.013 (0.330) 0.015 (0.381) 0.017 (0.432) 0.019 (0.483) 0.021 (0.533)	20.0 (0.59) water Int selection chart can be use accommodates fine for "Fluid Output, ff or at 2000 (14.0 MPa, 1- 11.2 (0.33) 16.6 (0.49) 23.3 (0.69) 30.8 (0.91) 39.5 (1.17) 49.7 (1.47 60.5 (1.79) 72.7 (2.15)	26.5 (0.78) sed with Model 28805 nish tips (FFTxxxx) and z/min (lpm) psi 4 40 bar) (1	Maximum to 6 6 6 50) (7 (109 13 115 117 119 119 119 119 119 119 119 119 119	416 un. Order des s (WRXXxxx) R Pattern W to 8 8 1 800) (2 809 811 4 813 4 815 4 817 4 819 4	516 ired tip (part in effer to instruction 10 10 10 150) 411 5 411 5 411 5 411 5 412 5 412 5 413 5	616 o LTXxxxx) fro tion manual 3 (305 mm) to 12 12 (305 mm) 111 113 115 6 117 6 119 6 121 6 123 6	716 In the selection 11052. Ito 14 (50)	n chart below.				
Tips are tested in a LTX Tip Cha All tips in the LTX. The RAC aircap als Orifice Size In (mm) 0.009 (0.229) 0.011 (0.279) 0.013 (0.330) 0.015 (0.381) 0.017 (0.432) 0.019 (0.483) 0.021 (0.533) 0.023 (0.584) 0.025 (0.635)	20.0 (0.59) water Int selection chart can be use accommodates fine file "Fluid Output, ff or at 2000 (14.0 MPa, 1- 11.2 (0.33) 16.6 (0.49) 23.3 (0.69) 30.8 (0.91) 39.5 (1.17) 49.7 (1.47 60.5 (1.79) 72.7 (2.15) 85.9 (2.54)	26.5 (0.78) sed with Model 28805 nish tips (FFTxxxx) and z/min (lpm) psi 4 40 bar) (1	Maximum to 6 6 6 50) (7 (109 13 115 117 119 119 119 119 119 119 119 119 119	416 un. Order des s (WRXXxxx) R Pattern W to 8 8 1 800) (2 809 811 4 813 4 815 4 817 4 819 4	516 ired tip (part nefer to instruction 10 10 10 250) (3 iiii 5 5117 5 5117 5 5121 5 5123 5 5	616 o LTXxxxx from the total and the total	716 In the selection (11052) Ito 14 (150) Ito 15 (17 (19 (123)) Ito 123 (125)	n chart below.				
Tips are tested in a LTX Tip Cha All tips in the LTX. The RAC aircap als Orifice Size in (mm) 0.009 (0.229) 0.011 (0.279) 0.013 (0.330) 0.015 (0.381) 0.017 (0.432) 0.019 (0.483) 0.021 (0.533) 0.023 (0.584)	20.0 (0.59) water Int selection chart can be use accommodates fine for "Fluid Output, ff or at 2000 (14.0 MPa, 1- 11.2 (0.33) 16.6 (0.49) 23.3 (0.69) 30.8 (0.91) 39.5 (1.17) 49.7 (1.47 60.5 (1.79) 72.7 (2.15)	26.5 (0.78) sed with Model 28805 nish tips (FFTxxxx) and z/min (lpm) psi 4 40 bar) (1	Maximum to 6 6 6 50) (7 (109 13 115 117 119 119 119 119 119 119 119 119 119	416 un. Order des s (WRXXxxx) R Pattern W to 8 8 1 800) (2 809 811 4 813 4 815 4 817 4 819 4	516 ired tip (part nefer to instruction 10 10 10 250) (3 iiii 5 5117 5 5117 5 5121 5 5123 5 5	616 o LTXxxxx from the LTXxxx from the LTX	716 In the selection 11052. Ito 14 (50)	n chart below.				

Most often the model number of the sprayer corresponds to the largest tip it can support. Speed Advice Use smaller tip size when applying thinner materials such as stains and enamelsUse larger sizes for thicker materials such as exterior, latex and oil based paintsThe larger the size of the tip hole, the faster the material leaves the gunA 313 tip sprays faster than a 311 or 411 tip Understanding Tip Wear and Effects Since most coatings have solids that cause abrasion, spray tips will wear with normal use. When a tip wears, the orifice size increases and the fan width decreases. This causes more paint to hit a smaller area, which wastes paint and slows productivity. It's important to replace a tip when it gets worn to make sure you get a precise spray pattern, maximum productivity and quality finish on your project.

	ORIFICE SIZE - INCHES										
	In (mm)	0.008	0.010	0.012	0.014	0.016	0.018	0.020			
	2-4 (51-102)	108	110	112							
FAN WIDTH	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	518	520			
	12-14 (305-356)					616	618	620			
	Flow Rate (gpm)	.07	.11	.15	.21	.27	.35	.43			
	Flow Rate (lpm)	.26	.41	.59	.80	1.04	1.32	1.63			

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.

Specifications & Documents To make sure you always have the correct tip for the project and coating you're using, it's easier than you might think to "break the code" of numbers to understand tip sizing. Two Basic Concepts to Remember: The width of the spray fan is important for the type of project you're sprayingThe size of the spray tip opening relates to the thickness of the material you're spraying Breakdown of Spray Tip Numbers: The first digit is half of the fan width, the "5" in "517" equals a 10 inch spray fan width (5 x 2 = 10)The last two digits are the size of the tip opening in thousandths of an inch, the "17" in "517" means the tip hole size is .017 inch Check Your Sprayer Before selecting a spray tip, always make sure you know what sprayer you're using, and the size spray tips it can support.

			DP Ai	rless Sp	orayer 8	& Pump	Selec	ction G	uide					
	Airless Paint Sprayers													
	DI	DIY SEMI-PRO PROFESSIONAL Series						INDUSTRY Series						
Power			(lectric (220v / 110v single phase)					Electric (380v 3µh) 1	Gas Gas engine + hydra				
Model no.	DP-63888	DP-X5	DP-6318	CP-632184	DP-6325&i	DP-6331i	09-63356	DP-63364	DP-6880	DP-9600E	DF-7900	DP-9600	DP-GHID	
Frame / cart:														
Stand		•	•	•	•									
Hiboy						•	•	•	•					
Loboy										•		•	•	
Max tip size: (inch)														
1 gun	0.017	0,017	0.021	0.028	0.025	0.031	0.035	0.097	0.041	0.056	0.048	0.056	0.065	
2 gurs						0.021	0.023	0.025	0.029	0.041	0.085	0.041	0.047	
High Pressure Filter		-	-	•	•	•	•	•	•	•	•		•	
Recommended	450	400	5000	10000	12000	28000	30000	35000	45000	76000	85000	110000	15000	
Annual Use (Liter)	****	1000			***		-	1		1000				
Max Pressure (psi)	3045	3045	3045	3200	3200	3200	3200	3200	3300	3300	3300	3300	4000	
Output volume	1	1	1.8	2.2	2.5	3.8	5	6	8	12	9.5	12	15.1	
(Liter per minute) Motor / Type	Universal	Allert manual	PMDC	PMDC	PMDC	PMDC	PMOC	Brushless	IM.	IM	Trionda	Trionda	Need	
Motor / Type	0.5	0.5	1.3	1.8	1.9	2.5	2.7	3.4	3		6.5	Honox	13	
Material Applications:	0.5	0.5	1.5	1.0	7.7	2.3	4.1	3.4		,	9.5	- 7	- 10	
Lacquer														
Latex		•								*				
Sealer		120												
Varnish					•			•		•				
Water-Based Paints		•						•		•				
Oli-Base Paints				•	•					•	•	•		
Exterior Stain		•		•	•			•						
Multi-Color				•	•		•		•	•	•			
Block Filler								•	•	•		•	•	
Elastomerics									•	•				
Epoxy							•		•	•				
Dry full / fog							•	•	•					
Mastic							•	•		•				
Spackling					Samuel of	pairless o			•	•	•			

This information can be found in the sprayer manual. Most often the model number of the sprayer corresponds to the largest tip it can support. Speed Advice Use smaller tip size when applying thinner materials such as stains and enamelsUse larger sizes for thicker materials such as exterior, latex and oil based paintsThe larger the size of the tip hole, the faster the material leaves the gunA 313 tip sprays faster than a 311 or 411 tip Understanding Tip Wear and Effects Since most coatings have solids that cause abrasion, spray tips will wear with normal use. When a tip wears, the orifice size increases and the fan width decreases. This causes more paint to hit a smaller area, which wastes paint and slows productivity. It's important to replace a tip when it gets worn to make sure you get a precise spray pattern, maximum productivity and quality finish on your project. Tip Wear Advice Always turn down the spray pressure as low as it can go, while still spraying a good spray pattern. This not only saves paint by reducing overspray but it also reduces tip wear and prolongs pump life. Tip life varies by coating.

Recommended replacement times:Latex - Replace after 15-40 gallonsOils & Stains - Replace after 35-60 gallons Do not increase the pump pressure - this only wastes paint and causes unnecessary pump component wear. Order Graco LineLazer tips These yellow tips are specifically designed for line stripping machines. Creates clean, laser-sharp lines with no fuzzy edges.

		Fan Width - Inches							
Orifice Size (inches)	4" - 6" Fan	6" - 8" Fan	8" - 10" Fan	10" - 12" Fan	12" - 14" Fan	14" - 16" Fan	16" - 18" Fan	18" - 20" Fan	Flow Rati
.009*	209	309	409	509	609				.09
.011"	211	311	411	511	611				.12
.013*	213	313	413	513	613	713	813		.18
.015*	215	315	415	515	615	715	815		.24
.017*	217	317	417	517	617	717	817	917	.31
.018"	219	319	419	519	619	719	819	919	.38
.021"	221	321	421	521	621	721	821	921	.47
.023*	223	323	423	523	623	723	823	923	.57
.025"	225	325	425	525	625	725	825	925	.67
.027"		327	427	527	627	727	827	927	.77
.029*		329	429	529	629	729	829	929	.90
.031"		331	431	531	631	731	831	931	1.03
.033"		333	433	533	633	733	833	933	1.17
.035*		335	435	535	635	735	835	935	1.31
.039*		339	439	539	639	739	839	939	1.63
,043"		343	443	543	643	743	843	943	1.93
.045*			445	545	645	745			2.17
.047*			447	547	647	747			2.36
.049"			449	549	649	749			2.57
.051"			451	551	651	751			2.79
.053"	-		453	553	653	753			3.00
.055*			455	555	655	755			3.25
.063"			463	563	663	763			4.26
.065*			465	565	665	765			4.43

Select Surface Size (in.) Please check your part number for accuracy or try searching the entire site. Image is for illustrative purposes only. Specifications & Documents To make sure you always have the correct tip for the project and coating you're using, it's easier than you might think to "break the code" of numbers to understand tip sizing. Two Basic Concepts to Remember: The width of the spray fan is important for the type of project you're spraying Breakdown of Spray Tip Numbers: The first digit is half of the fan width, the "5" in "517" equals a 10 inch spray fan width (5 x 2 = 10)The last two digits are the size of the tip opening in thousandths of an inch, the "17" in "517" means the tip hole size is .017 inch Check Your Sprayer Before selecting a spray tip, always make sure you know what sprayer is different and this determines which size tips can be used. This information can be found in the sprayer manual. 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Image is for illustrative purposes only. Specifications & Documents To make sure you always have the correct tip for the project and coating you're using, it's easier than you might think to "break the code" of numbers to understand tip sizing. Two Basic Concepts to Remember: The width of the spray fan is important for the type of project you're spraying The size of the spray tip opening relates to the thickness of the material you're spraying Breakdown of Spray Tip Numbers: The first digit is half of the fan width, the "5" in "517" equals a 10 inch spray fan width (5 x 2 = 10) The last two digits are the size of the tip opening in thousandths of an inch, the "17" in "517" means the tip hole size is .017 inch Check Your Sprayer Before selecting a spray tip, always make sure you know what sprayer wou're using, and the size spray tips it can support. The pressure volume on each sprayer is different and this determines which size tips can be used. This information can be found in the sprayer manual. Most often the model number of the sprayer corresponds to the largest tip it can support. Speed Advice Use smaller tip size when applying thinner materials such as exterior, latex and oil based paints the largest tip it can support. Speed Advice Use smaller tip size when applying thinner materials such as exterior, latex and oil based paints the largest tip it can support. Speed Advice Use smaller tip size when applying thinner materials such as exterior, latex and oil based paints the largest tip it can support. 311 or 411 tip Understanding Tip Wear and Effects Since most coatings have solids that cause abrasion, spray tips will wear with normal use. When a tip wears, the orifice size increases and the fan width decreases. This causes more paint to hit a smaller area, which wastes paint and slows productivity. It's important to replace a tip when it gets worn to make sure you get a precise spray pattern, maximum productivity and quality finish on your project. Tip Wear Advice Always turn down the spray pressure as low as it can go, while still spraying a good spray pattern. This not only saves paint by reducing overspray but it also reduces tip wear and prolongs pump life Tip life varies by coating. Recommended replacement times:Latex - Replace after 15-40 gallonsOils & Stains - Replace after 35-60 gallons Do not increase the pump pressure - this only wastes paint and causes unnecessary pump component wear. Combining the correct Graco spray tip with your gun plays a big role in helping you create the professional finish your job demands. Not only does the tip determine how much fluid will leave the gun when you pull the trigger, the spray tip also determines how wide a spray fan the gun when you pull the trigger, the spray tip also determines how much fluid will leave the gun when you pull the trigger, the spray tip also determines how much fluid will leave the gun when you pull the trigger, the spray tip also determines how much fluid will leave the gun when you pull the trigger, the spray tip also determines how much fluid will leave the gun when you pull the trigger, the spray tip also determines how much fluid will leave the gun when you pull the trigger, the spray tip also determines how much fluid will leave the gun when you pull the trigger, the spray tip also determines how much fluid will leave the gun when you pull the trigger, the spray tip also determines how much fluid will leave the gun when you pull the trigger, the spray tip also determines how much fluid will leave the gun when you pull the trigger, the spray tip also determines how much fluid will leave the gun when you pull the trigger, the spray tip also determines how much fluid will leave the gun when you pull the trigger, the spray tip also determines how much fluid will leave the gun when you pull the trigger, the spray tip also determines how much fluid will leave the gun when you pull the trigger, the spray tip also determines how much fluid will leave the gun when you pull the trigger, the spray tip also determines how much fluid will leave the gun when you pull the trigger, the spray tip also determines how much fluid will leave the gun when you pull the trigger, the spray tip also determines how much fluid will leave the gun when you pull the trigger, the spray tip also determines how much fluid will be spray to also determines how much fluid will be spray to also determines how much fluid will be spray to also determines how much fluid will be spray to also determines how much fluid will be spray to also determines how much flu coatings such as lacquers, stains, and enamels require a small tip, while heavier coatings such as texture require larger spray tips. Many paint manufacturers will specify recommended spray tip sizes on the container or product specification sheet. Size the spray tip according to the tip rating of your sprayer. Make sure that the sprayer can support the tip you are planning to use. If you plan on using multiple spray guns on your job, pick a tip size that matches the multiple gun tip rating of your sprayer. Laquer or Stain.009 - .013 Oil Based Paint.013 - .015 Latex Paint.013 - .015 Latex Paint.015 - .019 Heavy Latex or Smooth Elastomeric & Blockfiller.025 - .035 + Most spray tips are identified by a three-digit code. The first number, when multiplied by 2, tells you how wide of a fan the tip will create when sprayed at a distance of 12 inches from the surface. The second two numbers are the orifice size of the tip, in thousandths of an inch, that determines how much fluid will leave the spray tip. For example, a 515 tip will spray a 10-inch-wide fan and have a 15-thousandths of an inch orifice. It's the combination of fan-width and orifice-size that determines how thick of a coating you'll spray. Case in point - a 317 tip sprays a 6-inch-wide fan. Because the same amount of paint is leaving the orifice of the spray tip, but is being dispersed across a wider fan, the 517 tip will deliver a thinner coating with less mil build. General use tips are yellowHigh pressure, heavy duty tips for heavy coatings and texture are gray For example, assume that paint costs \$15 per gallon, labor costs \$25 an hour and the contractor sprays 5 gallons of paint per hour. If the painter continues to use the worn tip, it will cost him around \$300 per day! Always turn down the pressure as low as it can go, while still spraying a good spray pattern. This not only saves paint, by reducing overspray, but it also reduces tip wear and prolongs pump life, saving you money. There's a Graco spray tip that's specifically built for your application. Understanding airless tip options will help you choose the Graco spray tip best suited for your needs. Reverse-A-Clean tips, also called RAC tips, are the most versatile reversible tips on the market. They're available in about 200 sizes and can be used for a wide variety of coatings. With a reversible tip, you can easily clear tip clogs by simply turning the tip 180 degrees to the clean position and then triggering the sprayer. And, thanks to their innovative design, RAC tips can be quickly replaced without removing the tip quard and housing. Graco's RAC-X Fine Finish Low Pressure Switch Tips offer the industry's best finish at the world's lowest airless spray pressure! These tips are available in small sizes for fine finish applications and large sizes for large surfaces and high-production applications. This breakthrough technology allows you to spray at up to 50% lower pressure with less overspray, providing consistent, blended finish quality with complete

atomization spraying at half the pressure. This can double the tip life and extend pump life. Graco RAC-X Fine Finish Low Pressure and Low Pressure Switch Tips work with all airless sprayers, in higher production applications, Graco offers WideRAC SwitchTips. They create an extra-wide 24-inch fan pattern, allowing you to spray twice the surface of a standard tip. These tips require a larger orifice size to offer a thick enough mil build to cover such a wide area in one pass. Graco's XHD RAC SwitchTips are designed for use with heavy coatings that require higher pressures to atomize. They're recognized by their oversized gray handle, which allows for easy rotation, even with

very thick coatings such as texture and elastomeric. After many years of leading the industry in fluid applications, Graco has a tip perfectly engineered to get the job done with the highest professional quality finish, whatever your spraying application.