

Silver Plus™ Manual Guns

Airless

Features and Benefits

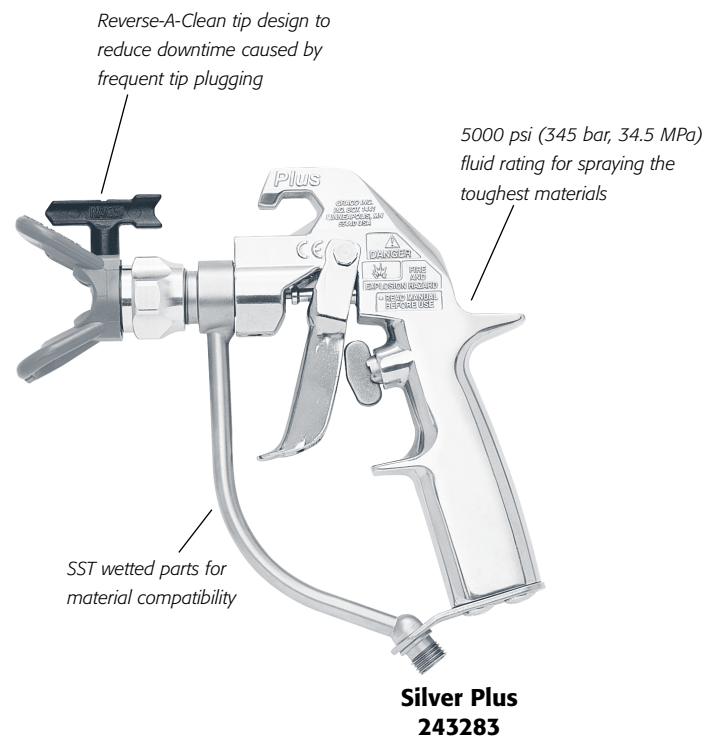
- Shaped handle reduces fatigue and increases comfort
- No adjustment needle makes for quick and easy repairs
- Patented needle design increases life

Typical Applications

- Rail car manufacturing
- Ship and barge construction
- Bridge, tank, and water tower painting
- Farm and construction machinery manufacturing
- Industrial metal structures fabrication

Typical Fluids Handled

- High solids epoxy primers and coatings
- Coal tar epoxy primers
- High solids polyurethane coatings
- Tank and pipe coatings and linings
- Architectural latex emulsion paints



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Technical Specifications

Max. working fluid pressure5000 psi (345 bar, 34.5 MPa)
Weight without tip or guard	18 oz. (510 g)
Fluid orifice All models, except 235462	0.090 in. (2.3 mm)
235462	0.037 in. (0.94 mm)
Fluid inlet	1/4 npsm(m)
Maximum material temperature	120°F (50°C)
Sound pressure level*	78 dBa
Sound power level*	87 dBa
Wetted parts	stainless steel, polyethylene, polyurethane, nylon, Teflon®
Instruction manual	308-236

* Measured while spraying waterborne paint – gravity 1.36 through a 517 tip at 3000 psi (207 bar, 20.7 MPa) per ISO 3744.
Teflon® is a registered trademark of Du Pont.

Ordering Information

243283	Silver Plus with NanaTite Tip Guard and 517 RAC 5 SwitchTip, 2-Finger Trigger.	238966	Silver Plus with HD Tip Guard, 2-Finger Trigger with 4-Finger Fluid Tube for improved gloved hand access.
235464	Silver Plus with HD Guard Tip Includes GND SwitchTip, 2-Finger Trigger.	235461	Silver Plus with DripLess Flat Tip Guard, 4-Finger Trigger. Spray tip not included, order separately.
238591	Silver Plus with HD Guard Tip Includes GND SwitchTip, 4-Finger Trigger.	235462	Silver Plus with DripLess Flat Tip Guard, 0.037 in. (0.94 mm) pre-orifice for fine finish. Spray tip not included, order separately.
235460	Silver Plus with DripLess Flat Tip Guard, 2-Finger Trigger Spray tip not included, order separately.	235474	Silver Plus Gun Repair Kit



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Tip Selection Chart

Orifice Size Inches (mm)	Fan Width at 12 in. (300 mm) Inches (mm)	Flow Rate* U.S. gpm (l/min)	RAC 5 SwitchTip™ Part No. (286xxx)	HD RAC Tip Part No. (GHDxxx)	LineLazer Tip Part No. (LL5xxx)	Silver Tip Part No. (163-odd nos.)	Flat Tip Part No. (269xxx)	Fine Finish Flat Tip Part No. (163-even nos.)	Fine Finish RAC Part No. (FF5xxx)
0.007 (0.178)	2-4 (50-100) 6-8 (150-200)	0.052 (0.20)	286307	GHD307		163107			
0.008 (0.203)	2-4 (50-100) 4-6 (100-150) 8-10 (200-250)	0.069 (0.26)						163108 163208 163408	
0.009 (0.229)	2-4 (50-100) 4-6 (100-150) 6-8 (150-200) 8-10 (200-250) 10-12 (250-300) 12-14 (300-350)	0.087 (0.33)	286200 286209 286309 286409 286509 286609	GHD109 GHD209 GHD309 GHD409 GHD509 GHD609		163109 163209 163309 163409 163509 163609			
0.010 (0.254)	2-4 (50-100) 4-6 (100-150) 6-8 (150-200) 8-10 (200-250) 10-12 (250-300) 12-14 (300-350)	0.107 (0.41)						163110 163210 163310 163410 163510 163610	FF5210 FF5310 FF5410 FF5510
0.011 (0.279)	2-4 (50-100) 4-6 (100-150) 6-8 (150-200) 8-10 (200-250) 10-12 (250-300) 12-14 (300-350) 14-16 (350-400)	0.13 (0.49)	286111 286211 286311 286411 286511 286611	GHD111 GHD211 GHD311 GHD411 GHD511 GHD611 GHD711		163111 163211 163311 163411 163511 163611 163711	269211 269311 269411 269511		
0.012 (0.305)	4-6 (100-150) 6-8 (150-200) 8-10 (200-250) 10-12 (250-300) 12-14 (300-350) 14-16 (350-400)	0.15 (0.59)						163212 163312 163412 163512 163612 163712	FF5212 FF5312 FF5412 FF5512 FF5612
0.013 (0.330)	2-4 (50-100) 4-6 (100-150) 6-8 (150-200) 8-10 (200-250) 10-12 (250-300) 12-14 (300-350) 14-16 (350-400) 16-18 (400-460)	0.18 (0.69)	286203 286213 286313 286413 286513 286613	GHD113 GHD213 GHD313 GHD413 GHD513 GHD613 GHD713 GHD813	LL5213	163113 163213 163313 163413 163513 163613 163713 163813	269213 269313 269413 269513 269613		
0.014 (0.356)	4-6 (100-150) 6-8 (150-200) 8-10 (200-250) 10-12 (250-300) 12-14 (300-350) 14-16 (350-400) 16-18 (400-460) 18-20 (460-508)	0.21 (0.79)						163214 163314 163414 163514 163614 163714 163814 163914	FF5214 FF5414 FF5514 FF5614

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Tip Selection Chart (cont'd)

Orifice Size Inches (mm)	Fan Width at 12 in. (300 mm) Inches (mm)	Flow Rate* U.S. gpm (l/min)	RAC 5 SwitchTip Part No. (286xxx)	HD RAC Tip Part No. (GHDxxx)	LineLazer Tip Part No. (LL5xxx)	Silver Tip Part No. (163-odd nos.)	Flat Tip Part No. (269xxx)	Fine Finish Flat Tip Part No. (163-even nos.)	Fine Finish RAC Part No. (FF5xxx)
0.015 (0.381)	2-4 (50-100)	0.24	286115	GHD115		163115			
	4-6 (100-150)	(0.91)	286215	GHD215	LL5215	163215	269215		
	6-8 (150-200)		286315	GHD315	LL5315	163315	269315		
	8-10 (200-250)		286415	GHD415	LL5415	163415	269415		
	10-12 (250-300)		286515	GHD515		163515	269515		
	12-14 (300-350)		286615	GHD615		163615	269615		
	14-16 (350-400)			GHD715		163715	269715		
	16-18 (400-460)			GHD815		163815	269815		
	18-20 (460-508)					163915			
0.017 (0.432)	2-4 (50-100)	0.31		GHD117		163117			
	4-6 (100-150)	(1.17)	286217	GHD217	LL5217	163217	269217		
	6-8 (150-200)		286317	GHD317	LL5317	163317	269317		
	8-10 (200-250)		286417	GHD417	LL5417	163417	269417		
	10-12 (250-300)		286517	GHD517		163517	269517		
	12-14 (300-350)		286617	GHD617		163617	269617		
	14-16 (350-400)			GHD717		163717	269717		
	16-18 (400-460)		286817	GHD817		163817			
	18-20 (460-508)			GHD917		163917			
0.018 (0.457)	4-6 (100-150)	0.35						163218	
	6-8 (150-200)	(1.32)						163318	
	8-10 (200-250)							163418	
	10-12 (250-300)							163518	
	12-14 (300-350)							163618	
	14-16 (350-400)							163718	
	16-18 (400-460)							163818	
	18-20 (460-508)							163918	
0.019 (0.483)	2-4 (50-100)	0.39	286201	GHD119		163119			
	4-6 (100-150)	(1.47)	286219	GHD219	LL5219	163219	269219		
	6-8 (150-200)		286319	GHD319	LL5319	163319	269319		
	8-10 (200-250)		286419	GHD419	LL5419	163419	269419		
	10-12 (250-300)		286519	GHD519		163519	269519		
	12-14 (300-350)		286619	GHD619		163619	269619		
	14-16 (350-400)			GHD719		163719			
	16-18 (400-460)		286819	GHD819		163819	269819		
	18-20 (460-508)					163819			
0.020 (0.508)	6-8 (150-200)	0.43						163318	
	8-10 (200-250)	(1.63)						163418	
	10-12 (250-300)							163518	
	12-14 (300-350)							163618	
	16-18 (400-460)							163818	
0.021 (0.533)	2-4 (50-100)	0.47	286202	GHD121		163121			
	4-6 (100-150)	(1.79)	286221	GHD221		163221			
	6-8 (150-200)		286321	GHD321	LL5321	163321			
	8-10 (200-250)		286421	GHD421	LL5421	163421	269421		
	10-12 (250-300)		286521	GHD521		163521	269521		
	12-14 (300-350)		286621	GHD621	LL5621	163621	269621		
	14-16 (350-400)		286721	GHD721		163721	269721		
	16-18 (400-460)		286821	GHD821		163821	269821		
	18-20 (460-508)					163921			

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Tip Selection Chart (cont'd)

Orifice Size Inches (mm)	Fan Width at 12 in. (300 mm) Inches (mm)	Flow Rate* U.S. gpm (l/min)	RAC 5 Switch Tip Part No. (286xxx)	HD RAC Tip Part No. (GHDxxx)	LineLazer Tip Part No. (LL5xxx)	Silver Tip Part No. (163-odd nos.)	Flat Tip Part No. (269xxx)	Fine Finish Flat Tip Part No. (163-even nos.)	Fine Finish RAC Part No. (FF5xxx)
0.022 (0.559)	6-8 (150-200)	0.52						163322	
	10-12 (250-300)	(1.97)						163522	
	12-14 (300-350)							163622	
	16-18 (400-460)							163822	
	18-20 (460-508)							163922	
0.023 (0.584)	4-6 (100-150)	0.57	286223			163223			
	6-8 (150-200)	(2.15)	286323	GHD323	LL5323	163323			
	8-10 (200-250)		286423	GHD423	LL5423	163423			
	10-12 (250-300)		286523	GHD523		163523	269523		
	12-14 (300-350)		286623	GHD623	LL5623	163623	269623		
	14-16 (350-400)		286723	GHD723		163723			
	16-18 (400-460)			GHD823		163823			
18-20 (460-508)			GHD923		163923				
0.024 (0.610)	4-6 (100-150)	0.62							163224
	6-8 (150-200)	(2.35)							163324
	8-10 (200-250)								163424
	10-12 (250-300)								163524
	12-14 (300-350)								163624
	16-18 (400-460)								163824
18-20 (460-508)								163924	
0.025 (0.635)	4-6 (100-150)	0.67	286225	GHD225	LL5225	163225	269225		
	6-8 (150-200)	(2.54)	286325	GHD325	LL5325	163325	269325		
	8-10 (200-250)		286425	GHD425	LL5425	163425	269425		
	10-12 (250-300)		286525	GHD525		163525	269525		
	12-14 (300-350)		286625	GHD625		163625	269625		
	14-16 (350-400)			GHD725		163725			
	16-18 (400-460)		286825	GHD825		163825	269825		
	18-20 (460-508)					163925			
0.026 (0.660)	8-10 (200-250)	0.73							163426
	10-12 (250-300)	(2.76)							163526
	12-14 (300-350)								163626
	16-18 (400-460)								163826
	18-20 (460-508)								163926
0.027 (0.686)	4-6 (100-150)	0.78		GHD227		163227	269227		
	6-8 (150-200)	(2.96)	286327	GHD327	LL5327	163327	269327		
	8-10 (200-250)		286427	GHD427	LL5427	163427	269427		
	10-12 (250-300)		286527	GHD527		163527	269527		
	12-14 (300-350)		286627	GHD627	LL5627	163627	269627		
	14-16 (350-400)			GHD727		163727			
	16-18 (400-460)		286827	GHD827		163827	269827		
	18-20 (460-508)			GHD927		163927			
0.028 (0.711)	8-10 (200-250)	0.73							163428
	10-12 (250-300)	(2.76)							163528
	12-14 (300-350)								163628
	16-18 (400-460)								163828

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Tip Selection Chart (cont'd)

Orifice Size <i>Inches (mm)</i>	Fan Width at 12 in. (300 mm) <i>Inches (mm)</i>	Flow Rate* <i>U.S. gpm (l/min)</i>	RAC 5 Switch Tip Part No. (286xxx)	HD RAC Tip Part No. (GHDxxx)	LineLazer Tip Part No. (LL5xxx)	Silver Tip Part No. (163-odd nos.)	Flat Tip Part No. (269xxx)	Fine Finish Flat Tip Part No. (163-even nos.)	Fine Finish RAC Part No. (FF5xxx)
0.029 (0.737)	4-6 (100-150)	0.90				163229			
	6-8 (150-200)	(3.42)		GHD329		163329			
	8-10 (200-250)		286429	GHD429		163429			
	10-12 (250-300)		286529	GHD529		163529			
	12-14 (300-350)		286629	GHD629		163629			
	14-16 (350-400)		286729	GHD729		163729			
	16-18 (400-460) 18-20 (460-508)				GHD829		163829 163929		
0.030 (0.762)	8-10 (200-250)	0.97						163430	
	10-12 (250-300)	(3.67)						163530	
0.031 (0.787)	4-6 (100-150)	1.03		GHD231		163231			
	6-8 (150-200)	(3.90)	286331	GHD331	LL5331	163331			
	8-10 (200-250)		286431	GHD431	LL5431	163431			
	10-12 (250-300)		286531	GHD531		163531	269531		
	12-14 (300-350)		286631	GHD631	LL5631	163631	269631		
	14-16 (350-400)				GHD731	163731			
	16-18 (400-460) 18-20 (460-508)			286831	GHD831 GHD931	163831 163931	269831		
0.032 (0.813)	4-6 (100-150)	1.1						163232	
	8-10 (200-250)	(4.16)						163432	
	16-18 (400-460)							163832	
0.033 (0.828)	6-8 (150-200)	1.17		GHD333					
	8-10 (200-250)	(4.42)	286433	GHD433		163433			
	10-12 (250-300)		286533	GHD533		163533			
	12-14 (300-350)		286633	GHD633		163633			
	14-16 (350-400)				GHD733	163733			
	16-18 (400-460)		286833	GHD833		163833			
	18-20 (460-508)				GHD933	163933			
0.035 (0.889)	4-6 (100-150)	1.31		GHD235	LL5225	163235			
	6-8 (150-200)	(4.98)		GHD335	LL5325	163335			
	8-10 (200-250)		286435	GHD435	LL5425	163435			
	10-12 (250-300)		286535	GHD535		163535			
	12-14 (300-350)		286635	GHD635		163635	269635		
	14-16 (350-400)		286735	GHD735		163735			
	16-18 (400-460) 18-20 (460-508)			286835	GHD835 GHD935	163835 163935			
0.037 (0.940)	6-8 (150-200)	1.47		GHD337					
	8-10 (200-250)	(5.56)		GHD437					
	10-12 (250-300)			GHD537					
	12-14 (300-350)			GHD637		163637			
	14-16 (350-400)			GHD737		163737			
	16-18 (400-460) 18-20 (460-508)				GHD837 GHD937				
0.039 (0.991)	4-6 (100-150)	1.63		GHD239		163239			
	6-8 (150-200)	(6.18)		GHD339		163339			
	8-10 (200-250)		286439	GHD439		163439			
	10-12 (250-300)			GHD539		163539			
	12-14 (300-350)			GHD639		163639			
	14-16 (350-400)				GHD739				
	16-18 (400-460) 18-20 (460-508)				GHD839 GHD939	163839 163939			

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Tip Selection Chart (cont'd)

Orifice Size Inches (mm)	Fan Width at 12 in. (300 mm) Inches (mm)	Flow Rate* U.S. gpm (l/min)	RAC 5 SwitchTip Part No. (286xxx)	HD RAC Tip Part No. (GHDxxx)	LineLazer Tip Part No. (LL5xxx)	Silver Tip Part No. (163-odd nos.)	Flat Tip Part No. (269xxx)	Fine Finish Flat Tip Part No. (163-even nos.)	Fine Finish RAC Part No. (FF5xxx)
0.041 (1.041)	6-8 (150-200)	1.80		GHD341	LL5341	163341			
	8-10 (200-250)	(6.83)		GHD441		163441			
	10-12 (250-300)			GHD541		163541			
	12-14 (300-350)			GHD641		163641			
	14-16 (350-400)			GHD741					
	16-18 (400-460)			GHD841		163841			
0.043 (1.092)	6-8 (150-200)	1.99		GHD343					
	8-10 (200-250)	(7.51)	286443	GHD443		163443			
	10-12 (250-300)		286543	GHD543		163543			
	12-14 (300-350)			GHD643		163643			
	14-16 (350-400)			GHD743					
	16-18 (400-460)			GHD843					
	18-20 (460-508)					163943			
0.045 (1.143)	6-8 (150-200)	2.17		GHD345	LL5345				
	8-10 (200-250)	(8.21)		GHD445		163445			
	10-12 (250-300)			GHD545		163545			
	12-14 (300-350)		286645	GHD645		163645			
	16-18 (400-460)					163845			
0.047 (1.194)	6-8 (150-200)	2.37		GHD347					
	8-10 (200-250)	(8.98)		GHD447					
	10-12 (250-300)			GHD547		163547			
	12-14 (300-350)			GHD647		163647			
	14-16 (350-400)			GHD747					
	16-18 (400-460)			GHD847		163847			
0.049 (1.245)	6-8 (150-200)	2.58		GHD349	LL5349				
	8-10 (200-250)	(9.75)		GHD449		163449			
	10-12 (250-300)			GHD549					
	12-14 (300-350)			GHD649					
	14-16 (350-400)			GHD749		163749			
	16-18 (400-460)					163849			
0.051 (1.295)	6-8 (150-200)	2.79		GHD351	LL5351	163351			
	8-10 (200-250)	(10.6)	286451	GHD451		163451			
	10-12 (250-300)		286551	GHD551		163551			
	12-14 (300-350)			GHD651		163651			
	14-16 (350-400)			GHD751					
	16-18 (400-460)			GHD851					
0.053 (1.346)	10-12 (250-300)	3.01		GHD553		163553			
	14-16 (350-400)	(11.41)		GHD753					
0.055 (1.397)	6-8 (150-200)	3.21		GHD355	LL5355				
	8-10 (200-250)	(12.29)	286455	GHD455	LL5455	163455			
	10-12 (250-300)		286555	GHD555		163555			
	12-14 (300-350)		286655	GHD655		163655			
	14-16 (350-400)			GHD755					
	16-18 (400-460)			GHD855					
0.057 (1.448)	6-8 (150-200)	3.49				163357			
	8-10 (200-250)	(13.2)				163457			
	10-12 (250-300)			GHD557		163557			
	12-14 (300-350)			GHD657		163657			
	14-16 (350-400)					163757			

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Tip Selection Chart (cont'd)

Orifice Size Inches (mm)	Fan Width at 12 in. (300 mm) Inches (mm)	Flow Rate* U.S. gpm (l/min)	RAC 5 Switch Tip Part No. (286xxx)	HD RAC Tip Part No. (GHDxxx)	LineLazer Tip Part No. (LL5xxx)	Silver Tip Part No. (163-odd nos.)	Flat Tip Part No. (269xxx)	Fine Finish Flat Tip Part No. (163-even nos.)	Fine Finish RAC Part No. (FF5xxx)
0.059 (1.499)	6-8 (150-200)	3.74				163359			
	8-10 (200-250)	(14.14)				163459			
	10-12 (250-300)			GHD559		163559			
	12-14 (300-350)			GHD659		163659			
	14-16 (350-400)					163749			
0.061 (1.549)	8-10 (200-250)	3.99		GHD461		163461			
	10-12 (250-300)	(15.12)		GHD561		163561			
	12-14 (300-350)			GHD661		163661			
	14-16 (350-400)			GHD761		163761			
	16-18 (400-460)			GHD861		163861			
0.063 (1.600)	8-10 (200-250)	4.26		GHD463		163463			
	10-12 (250-300)	(16.13)	286563	GHD563		163563			
	12-14 (300-350)			GHD663		163663			
	14-16 (350-400)			GHD763		163763			
	16-18 (400-460)			GHD863		163863			
0.065 (1.651)	8-10 (200-250)	4.53		GHD465		163465			
	10-12 (250-300)	(17.17)		GHD565		163565			
	12-14 (300-350)		286665	GHD665		163665			
	14-16 (350-400)					163765			
	16-18 (400-460)					163865			
0.067 (1.702)	8-10 (200-250)	4.82		GHD467		163467			
	10-12 (250-300)	(18.24)		GHD567		163567			
	12-14 (300-350)			GHD667		163667			
	14-16 (350-400)			GHD767		163767			
	16-18 (400-460)			GHD867		163867			
0.069 (1.753)	8-10 (200-250)	5.11				163469			
	10-12 (250-300)	(19.36)				163569			
	12-14 (300-350)			GHD669		163669			
0.071 (1.803)	8-10 (200-250)	5.41		GHD471		163471			
	10-12 (250-300)	(20.48)		GHD571		163571			
	12-14 (300-350)			GHD671		163671			
	14-16 (350-400)			GHD771					
	16-18 (400-460)					163871			
0.073 (1.854)	8-10 (200-250)	5.7				163473			
	10-12 (250-300)	(21.57)				163573			
0.075 (1.905)	8-10 (200-250)	6.04		GHD475		163475			
	10-12 (250-300)	(22.85)		GHD575					
	12-14 (300-350)			GHD675					
0.077 (1.956)	8-10 (200-250)	6.4				163477			
		(24.22)							
0.079 (2.006)	8-10 (200-250)	6.7				163479			
		(25.36)							
0.081 (2.057)	8-10 (200-250)	7.04		GHD481		163481			
		(26.66)							

Silver Plus Manual Guns

Airless

Accessories

Filters

Maximum working pressure: 3000 psi (210 bar, 21.0 MPa). Adequate filtering is important for a good surface finish and to minimize tip clogging. These filters provide secondary filtering. Various screen meshes are available.

Filters that mount in hose:

- 213068** Includes filter body, spring and one 100 mesh screen.
- 210729** Includes assembly 213068 plus a 3 ft. (0.9 m) whip hose for more flexible gun movement.
- 213069** Includes filter spring and one 60 mesh screen. Use with 213068 filter body.
- 210742** Includes filter spring and one 100 mesh screen. Use with 213068 filter body.

Filters that mount between hose and gun:

- 210500** Includes swivel, adapter, and one 100 mesh screen.

Replacement screens for above filters:

- 210731** Three 60 mesh (250 micron) screens.
- 210732** Three 100 mesh (149 micron) screens.
- 210733** Three 200 mesh (74 micron) screens.

Gun Hose Swivels and Whip Hose

Swivels and whip hoses provide more flexible gun movement for easier handling and less fatigue. Working pressures are listed in the descriptions.

- 204940** **Gun Hose Swivel**
1/4 npsm(f) x 1/4 npt(m).
Max. working pressure: 3000 psi (210 bar, 21.0 MPa).
- 207946** **Hose Swivel**
1/2 npsm(f) x 3/8 npt(f).
Max. working pressure: 5000 psi (350 bar, 35.0 MPa).
- 214701** **Whip Hose, Nylon**
Coupled 1/4 npsm(f) x 3/8 npt(m),
spring guards both ends.
Max. working pressure: 3000 psi (210 bar, 21.0 MPa)
- 238383** **Whip Hose, Nylon**
1/4 in. (6 mm) ID x 6 ft. (2 m).
Coupled 1/4 npsm(fbe).
Max. working pressure: 5000 psi (345 bar, 34.5 MPa).

Nylon Brushes

Use to thoroughly clean the gun's fluid passages.

- 101891** 0.375 in. (9 mm) diameter.
- 101892** 0.625 in. (16 mm) diameter.

Tools

- 171147** **Wrench**
Fits all hexes on the gun.
- 189083** **Needle Tool**
Required to install new needle without damaging it.

Tip Guards

These tip guards fit all Graco airless spray guns. Choose the one that is right for your application. One of these tip guards is included with every Graco airless gun. Use the chart on the inside pages of this data sheet as a Tip Selection Guide.

- 243161** **HandTite™ Tip Guard**
Use with RAC II or RAC 5 SwitchTips.
- 220222** **Standard DripLess Tip Guard**
Use with Contractor or Silver Flat Tips.
- 222674** **Heavy-Duty RAC DripLess Tip Guard**
Use with Heavy-Duty SwitchTip.