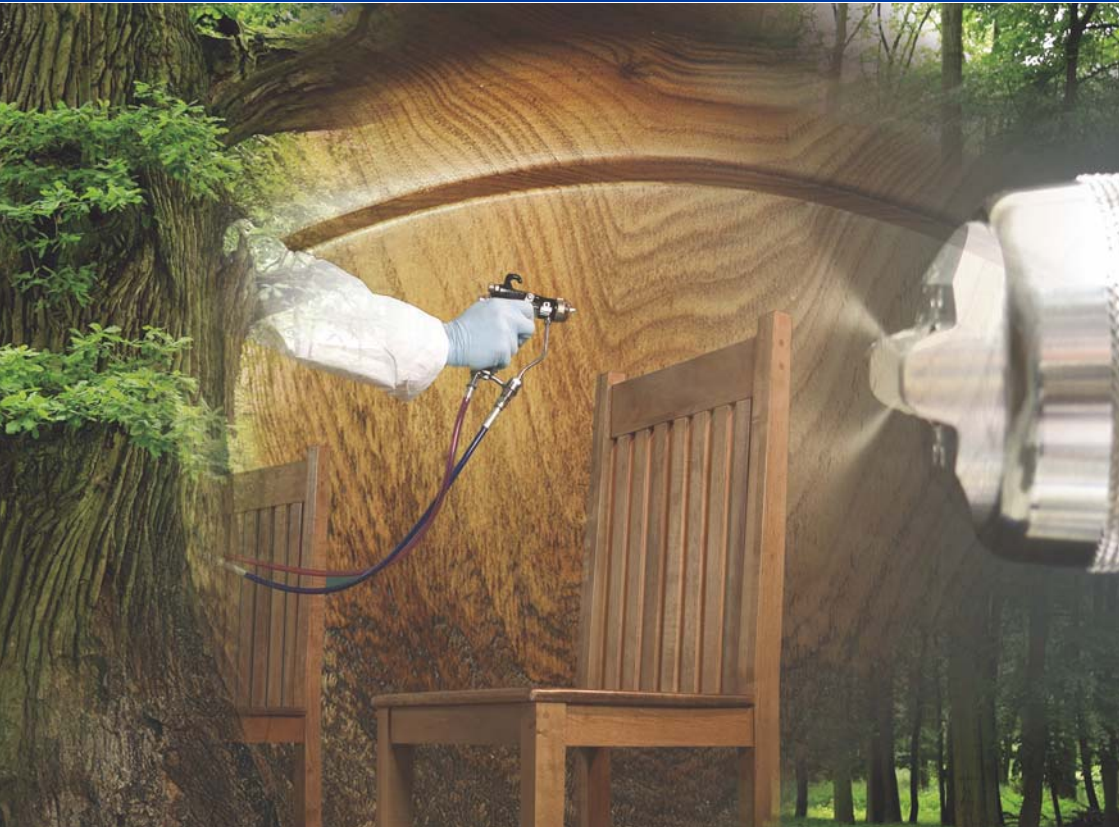




Wood Finishing

Catalogue



PROVEN QUALITY. LEADING TECHNOLOGY.





The wood market becomes more and more competitive and technical. More than ever, “Time is money” and by assisting you in making the optimal choice, we help you save time.

Graco has been involved in the wood market for a long time and our expertise is the result of many years of worldwide collaboration and research.

We are in a continuous process of innovation by listening to the market, the end-users and by collaborating with all the major stakeholders in the wood industry.

This new Wood Finishing Catalogue is especially designed to support and optimize your decision process.

Selection tables will help you find quickly the product that fits your needs. Furthermore, you will also find helpful information on our products and accessories dedicated to the wood market.

We look forward to working with you,

The IAED Sales & Marketing Team



Presentation of Graco

Corporate Profile

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, construction/renovation and industrial/automotive settings. Graco's ongoing investment in fluid management and control continues to provide innovative solutions to a diverse global market.

The Company has its corporate headquarters in Minneapolis, Minnesota, and employs approximately 2200 people worldwide. Graco common stock (ticker symbol: GGG) is listed on the New York Stock Exchange.

Graco's mission is to generate sustained profitable growth to benefit its customers, employees, shareholders and communities. We will be the world's leading supplier of fluid management products and packages in the markets we target.

Graco Europe

Graco started selling products in Europe during the 1950's. Since 1994, Graco's European Headquarters are based in Maasmechelen, Belgium. Graco employs 220 people in Europe and main activities include assembly, distribution, customer service, technical assistance, sales and marketing.

Quality Is Key

No matter what type of equipment you're manufacturing "We strive for excellence and continuous improvement in everything we do. We will understand our customer's requirements, meet them on time, measure the extent to which they are met, and take the corrective action where appropriate. No defects or delays are acceptable. Quality is the individual responsibility of every Graco employee." Graco is a renowned quality brand name with more than 80 years experience. Certified ISO 9001, over 100 dedicated Graco engineers and technicians develop new products to respond to the market demand. We warrant all Graco products to be free from defect for a minimum period of one year.

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Tips & Practical Info

Spray Finishing Technologies

	Technology	Finish Quality
Air Spray	Atomisation through Air Pressure	Fine and Smooth Finish
	Easy-to-use	High Quality Decorative Finish
	Typically has 3 bar Air Pressure and about 1-2 bar Fluid Pressure at the Gun	
HVLP	Atomisation through High Volume but Low Air Pressure	Close to Air Spray, if using Low Flow Rates
	About 0,7 bar Atomising Air and 1-2 bar Fluid Pressure at the Gun	
Airless	Hydraulic Atomisation: directing Fluid under High Pressure through a Controlled Orifice	Quickly applies High Volumes of Coatings with Medium to Coarse Quality
	Fluid Pressure up to 500 bar	
Air-Assisted	Hybrid Atomisation combining Airless and Air Spray	Between Air Spray and Airless
	Atomising Air up to 3 bar and up to 200 bar Fluid Pressure	Relatively Smooth, but for Higher Material Flow Rates
Electrostatic	Spray of charged Paint Particles based on Air Spray or Air-Assisted Technology	Fine and Smooth Finish
	Typically up to 180 bar	Excellent Film Coverage and Reduced Overspray



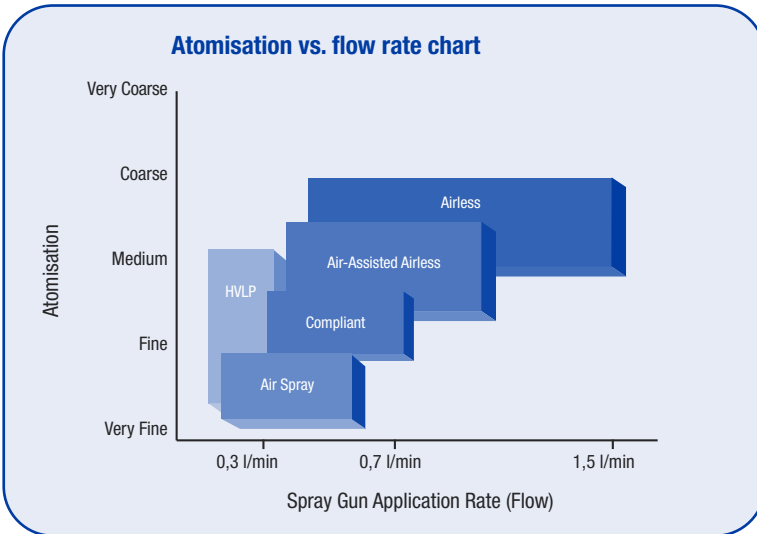
	Fluids	Applications
Air Spray	Low and Medium Viscosity Fluids	Automotive, Metal and Wood Decorative Finishing
	Solvent Borne and Waterborne Coatings, Top Coats, Wash Coats, Stains, Clear Coats and Adhesion Promoters	All Operations that require Superior Finish Quality
HVLP	Low and Medium Viscosity Fluids	Wood and Metal Finishing for all kinds of Parts and Shapes
	Solvent Borne and Waterborne Coatings, Top Coats, Clear Coats	
Airless	Medium to High Viscosity Fluids	Large Surfaces like Metal Constructions, Storage Tanks, Ships
	More Protective Coatings, Solvent Borne and Waterborne	
Air-Assisted	For a large Range of Viscosities	Wood Furniture Top Coats, Commercial Vehicles like Truck and Bus
	Solvent Borne and Waterborne Coatings, Base Coats, Top Coats, Clear Coats	
Electrostatic	Low to Medium Viscosity Fluids	Automobile, Air Craft, Truck and Bus, Wooden Chairs and Window Frames
	Large Range of Fluids	

Tips

Less Overspray =

saves money + protects the environment

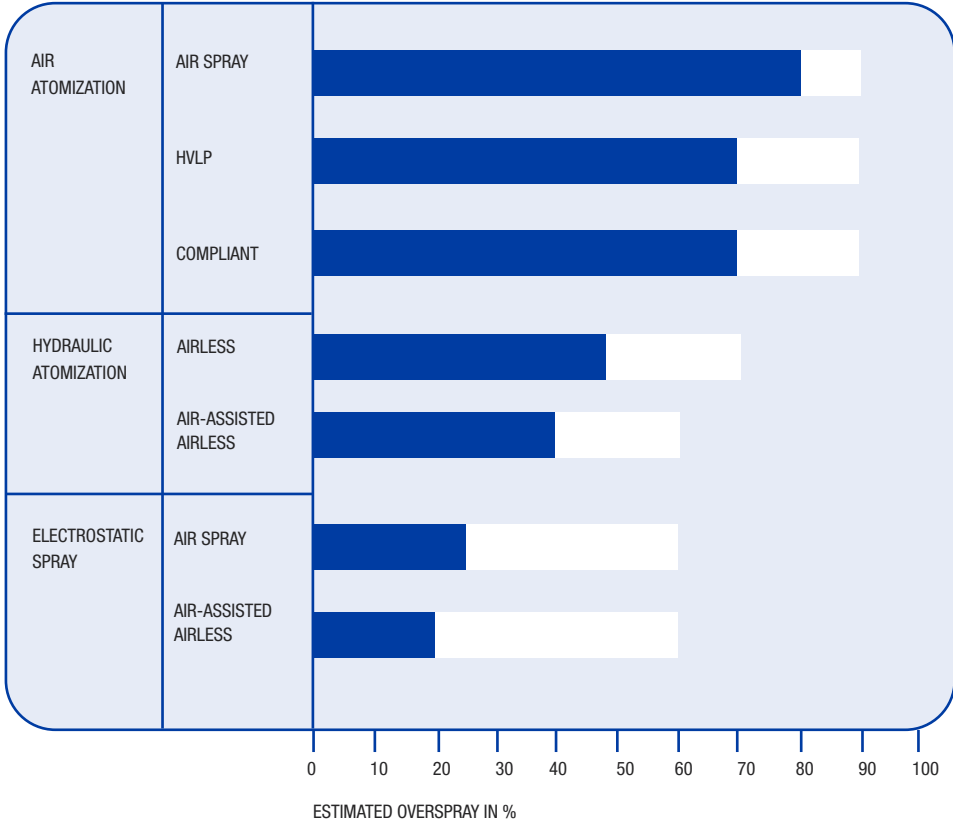
- Less material consumption
- Less waste
- Less spray booth cleaning
- Less energy cost for air and water make-up



Relative atomisation
and typical flow rate comparison
of atomisation methods



Expected Overspray Rate



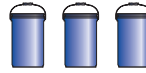
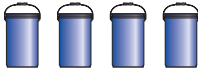
■ ASTM : Measuring Method

□ Variable overspray rate, depending on part size and shape

Your Graco distributor can help you to select the right method and product for your application.

Guns Selection Table

Intensity of use



Type of material

	Designed pieces, stylish furniture, frame parts ...	Front panel for furniture, kitchen, boards & cabinets, etc.	Tables, doors & window frames ...	Designed pieces, stylish furniture, frame parts ...	Front panel for furniture, kitchen, boards & cabinets, etc.	Tables, doors & window frames ...
NGR Toner Shading SAP Equalizers						
Wiping Stain Glaze Spray Stain Spray & Wipe Stain Filler						
Washcoat Sealer Primer ...						
Nitrocellulose (NC) Post-Cat Pre-Cat Urethane						

Legend



PRO Xs™

AirPro™

PRO Xs™ AA

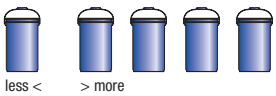
AA Series

Finex™



	Designed pieces, stylish furniture, frame parts ...	Front panel for furniture, kitchen, boards & cabinets, etc.	Tables, doors & window frames ...	Designed pieces, stylish furniture, frame parts ...	Front panel for furniture, kitchen, boards & cabinets, etc.	Tables, doors & window frames ...
Dye Stains (NGF)						
Other Stains						
Sealers & Primer						
Top Coats						

Intensity of use

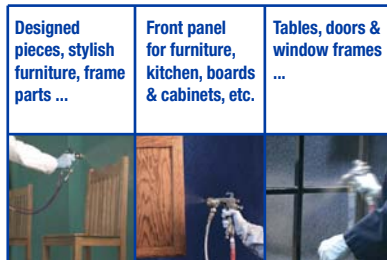
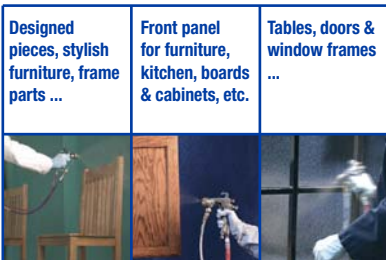


Packages Selection Table

Intensity of use



Type of material



1K paint

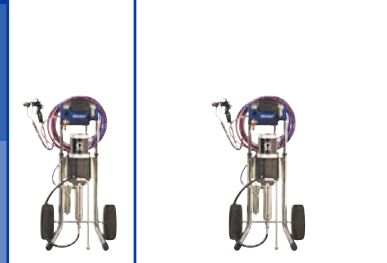
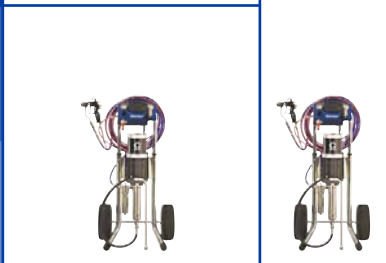
NGR
Toner
Shading
SAP
Equalizers

Dye Stains (NGR)



Wiping Stain
Glaze
Spray Stain
Spray & Wipe Stain
Filler

Other Stains



Washcoat
Sealer
Primer
...

Sealers & Primer



Nitrocellulose (NC)
Post-Cat
Pre-Cat
Urethane

Top Coats



2K paint

One Colour

Finex



Plural Colour
(Quick) Colour
Change

ProMix



Legend



Triton™



Merkur™



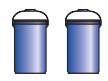
Finex™




ProMix™ Easy

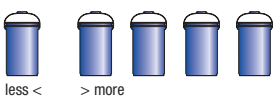


ProMix™ 2KS



	Designed pieces, stylish furniture, frame parts ...	Front panel for furniture, kitchen, boards & cabinets, etc.	Tables, doors & window frames ...	Designed pieces, stylish furniture, frame parts ...	Front panel for furniture, kitchen, boards & cabinets, etc.	Tables, doors & window frames ...
						
Dye Stains (NGR)						
Other Stains						
Sealers & Primer						
Top Coats						
	Hand mix + 					
				Hand mix + 		

Intensity of use





■ FFA= Finishing applications
■ PAA= High pressure applications

Tip Selection Table

How to select your tip

- Select spray technology: Air-Assisted, Electrostatic or Airless
- Select your application: manual or automatic
- Select your appropriate tip according to the selection charts below

Tip references are made out of two parts: the first 3 characters define the type (AAP, FFA, GG3), plus 3 numbers defining pattern with flow that you can find on here below selection charts.

Air-Assisted RAC™ Guns

Automatic and Manual Guns: tips

All of these are RAC™ SwitchTips™ (Reverse-A-Clean™)

Order desired tip (Part Number FFAxxx or PAAxxx) from the selection chart below.

All tips in the selection chart can be used with model 288053 G40™ RAC gun.

Refer to instruction manual 311052.

FFA is especially designed for Finishing Applications

PAA is especially designed for High Pressure Applications (e.g. Latex)

Fluid Output, fl oz/min (lpm)*	
Orifice Size in (mm)	at 140 bar PAAxxx (14.0 MPa, 2000 psi)
0.008 (0.203)	8.8 (0.26)
0.009 (0.229)	11.2 (0.33)
0.010 (0.254)	13.9 (0.41)
0.011 (0.279)	16.6 (0.49)
0.012 (0.305)	19.9 (0.59)
0.013 (0.330)	23.3 (0.69)
0.014 (0.356)	27.0 (0.80)
0.015 (0.381)	30.8 (0.91)
0.017 (0.432)	39.5 (1.17)
0.019 (0.483)	49.7 (1.47)
0.021 (0.533)	60.5 (1.79)
0.023 (0.584)	72.7 (2.15)
0.025 (0.635)	85.9 (2.54)
0.027 (0.686)	100.0 (2.96)
0.029 (0.737)	115.6 (3.42)
0.031 (0.787)	131.8 (3.90)
0.033 (0.838)	149.4 (4.42)
0.035 (0.889)	168.4 (4.98)

Maximum Pattern Width at 12 in (300 mm)						
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 (400-450)
208	308					
209	309					
210	310	410	510			
211	311	411	511			
212	312	412	512	612		
213	313	413	513			
214	314	414	514	614		
215	315	415	515	615		
217	317	417	517	617		
219	319	419	519	619		
321	421	521	621	721		
	423	523	623			
		525	625			
		527	627		827	
			629			
		531	631			
		535	635			

* Tips are tested with water

** These tip sizes include a 150 mesh tip filter

Manual Guns: AAM or GG4

Fine Finish Spray Tips: AAMxxx

Recommended for high finish quality applications at low and medium pressure.

Order desired tip (part number AAMxxx) from selection chart below.

Industrial Spray Tips: GG4xxx

Recommended for high pressure applications. Order desired tip (part number GG4xxx) from selection chart below.

- All tips in the spray tip selection chart can be used with model G40™ gun (249242).
Use tips in the grey shaded area of the selection chart with model G40 gun only.
- Do not use tips in the grey shaded area of the selection chart with model G15™ gun (287926).
- Both AAMxxx & GG4xxx tips fit in model G15 and G40.

Orifice Size in (mm)	Fluid Output, fl oz/min (lpm)*	
	at 41 bar (4.1 MPa) (600 psi)	at 70 bar (7.0 MPa) (1000 psi)
0.007 (0.178)**	4.0 (0.1)	5.2 (0.15)
0.009 (0.229)**	7.0 (0.2)	9.1 (0.27)
0.011 (0.279)**	10.0 (0.3)	13.0 (0.4)
0.013 (0.330)	13.0 (0.4)	16.9 (0.5)
0.015 (0.381)	17.0 (0.5)	22.0 (0.7)
0.017 (0.432)	22.0 (0.7)	28.5 (0.85)
0.019 (0.483)	28.0 (0.8)	36.3 (1.09)
0.021 (0.533)	35.0 (1.0)	45.4 (1.36)
0.023 (0.584)***	40.0 (1.2)	51.9 (1.56)
0.025 (0.635)***	50.0 (1.5)	64.8 (1.94)
0.027 (0.686)***	58.5 (1.7)	75.8 (2.27)
0.029 (0.737)***	68.0 (1.9)	88.2 (2.65)
0.031 (0.787)***	78.0 (2.2)	101.1 (3.03)
0.033 (0.838)***	88.0 (2.5)	114.1 (3.42)
0.035 (0.889)***	98.0 (2.8)	127.1 (3.81)
0.037 (0.940)***	108.0 (3.1)	140.0 (4.20)
0.039 (0.991)***	118.0 (3.4)	153.0 (4.59)

Maximum Pattern Width at 12 in (300 mm)								
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 (400-450)	18-20 (450-500)
107*	207	307						
109	209	309	409	509				
111	211	311	411	511	611			
213	313	413	513	613	713			
215	315	415	515	615	715	815		
217	317	417	517	617	717	817	917	
	219	319	419	519	619	719	819	919
		321	421	521	621	721	821	921
			423	523	623	723		923
			425		625	725	825	
				527	627		827	
					629			
			431		631			
					633		833*	
			435					
						737		
				539	639		839	

* GG4 tips only

** These tip sizes include a 150 mesh tip filter

*** Do not use these tips with model G15 guns (287926)

Tip Selection Table

Automatic Air-Assisted Guns: AAP Tips

All tips in the AAP selection chart can be used with models 288046 and 288044 G40 guns. Order desired tip (part number AAPxxx) from the selection chart below.

Fluid Output, fl oz/min (lpm)*		
Orifice Size in (mm)	at 41 bar (4.1 MPa, 600 psi)	at 70 bar (7.0 MPa, 1000 psi)
0.009 (0.229)**	7.0 (0.2)	9.1 (0.27)
0.011 (0.279)**	10.0 (0.3)	13.0 (0.4)
0.013 (0.330)	13.0 (0.4)	16.9 (0.5)
0.015 (0.381)	17.0 (0.5)	22.0 (0.7)
0.017 (0.432)	22.0 (0.7)	28.5 (0.85)
0.019 (0.483)	28.0 (0.8)	36.3 (1.09)
0.021 (0.533)	35.0 (1.0)	45.4 (1.36)

Maximum Pattern Width at 12 in (300 mm)						
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 (400-450)
209	309	409	509			
211	311	411	511	611		
213	313	413	513	613	713	
215	315	415	515	615	715	815
317	417	517	617	717	817	
	419	519	619	719		
	421	521	621			

* Tips are tested with water

** These tip sizes include a 150 mesh tip filter

PRO Xs™ Air-Assisted Electrostatic Guns

Automatic and Manual Guns: GG3-Tips

Fluid Output, fl oz/min (lpm)*	
Orifice Size in (mm)	at 41 bar (4.1 MPa, 600 psi)
0.007 (0.178)	4.0 (0.1)
0.009 (0.229)	7.0 (0.2)
0.011 (0.279)	10.0 (0.3)
0.013 (0.330)	13.0 (0.4)
0.015 (0.381)	17.0 (0.5)
0.017 (0.432)	24 / 21 (0.7 / 0.6)*
0.019 (0.483)	28 / 21 (0.8 / 0.6)*
0.021 (0.533)	1 / 0.8 (35 / 28)*
0.023 (0.584)	1.4 / 1 (50 / 35)*
0.025 (0.635)	1.5 / 1.2 (53/42)*

Fan Width at 10 in (260 mm)							
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 (400-450)
107	207	307					
	209	309	409				
	211	311	411	511	611		
	213	313	413	513	613		
	215	315	415	515	615		
	217	317	417	517	617		
		319	419	519	619	719	
			421	521	621	721	821
			423	523	623	723	823
			425	525	625	725	825

XTR™ Airless Guns

Manual: XHD™-Tips

Fluid Output, fl oz/min (lpm)*	
Orifice Size in (mm)	at 138 bar (13.8 MPa, 2000 psi)
0.007 (0.178)	0.05 (0.2)
0.009 (0.229)	0.09 (0.33)
0.011 (0.279)	0.12 (0.49)
0.013 (0.330)	0.18 (0.69)
0.015 (0.381)	0.24 (0.91)
0.017 (0.432)	0.31 (1.17)
0.019 (0.483)	0.38 (1.79)
0.021 (0.533)	0.47 (1.79)
0.023 (0.584)	0.57 (2.15)
0.025 (0.635)	0.67 (2.54)
0.027 (0.686)	0.74 (2.96)
0.029 (0.737)	0.9 (3.42)
0.031 (0.787)	1.03 (3.9)
0.033 (0.838)	1.17 (4.42)
0.035 (0.889)	1.31 (4.98)
0.037 (0.940)	1.47 (5.56)
0.039 (1)	1.63 (6.18)
0.041 (1.05)	1.8 (6.83)
0.043 (1.10)	1.98 (7.51)
0.045 (1.15)	2.17 (8.23)
0.047 (1.20)	2.37 (8.98)
0.049 (1.25)	2.58 (9.76)
0.051 (1.30)	2.79 (10.57)
0.053 (1.35)	4.26 (16.13)
0.055 (1.40)	3.25 (12.29)
0.057 (1.45)	3.49 (13.20)
0.059 (1.50)	3.74 (14.14)
0.061 (1.55)	4.00 (15.20)
0.063 (1.60)	4.26 (16.13)
0.065 (1.65)	4.53 (17.17)
0.067 (1.70)	4.82 (18.24)
0.069 (1.75)	5.11 (19.34)
0.071 (1.80)	5.41 (20.48)
0.075 (1.90)	6.04 (22.85)
0.081 (2.00)	7.04 (26.66)

Fan Width at 10 in (260 mm)								
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 (400-450)	18-20 (450-500)
107		307						
109	209	309	409	509	609			
111	211	311	411	511	611	711		
113	213	313	413	513	613	713	813	
115	215	315	415	515	615	715	815	
117	217	317	417	517	617	717	817	
119	219	319	419	519	619	719	819	
1121	221	321	421	521	621	721	821	
123		321	423	523	623	723	823	923
125	225	325	425	525	625	725	825	
127	227	327	427	527	627	727	827	927
129	229	329	429	529	629	729	829	
131	231	331	431	531	631	731	831	931
133		333	433	533	633	733	833	933
135	235	335	435	535	635	735	835	935
137		337	437	537	637	737	839	937
139	239	339	439	539	639	739	839	939
		341	441	541	641	741	841	
		343	443	543	643	743	843	
		345	445	545	645			
		347	447	547	647	747	847	
			449	549	649	749		
		351	451	551	651	751	851	
				553		753		
		355	455	555	655	755	855	
				557	657			
			459		659			
			461	561	661	761	861	
			463		663		863	
			465	565	665			
			467	567	667	767	867	
					669			
			471	571	671	771		
			475	575	675			
			481					

TIP SELECTION TABLE





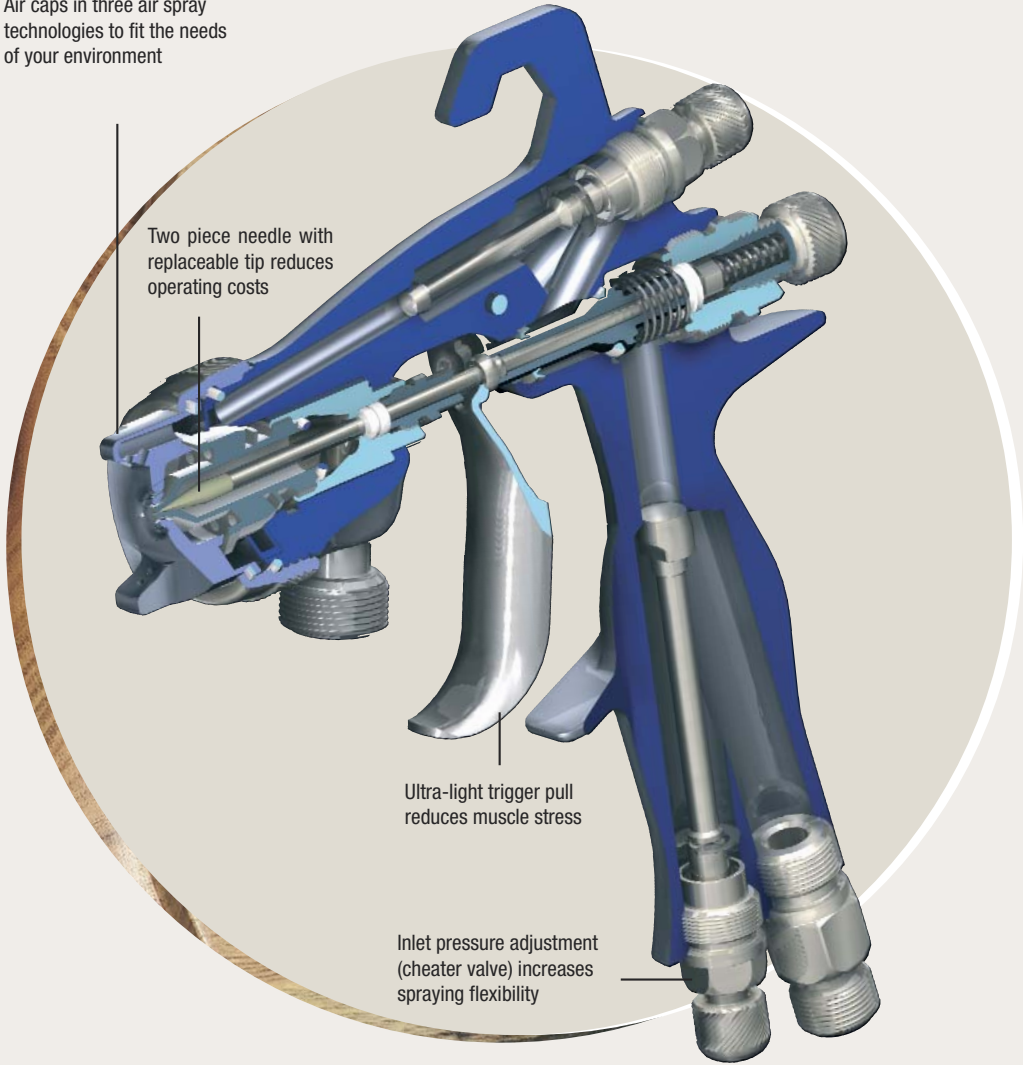
AirPro™

**Conventional
Spray Gun Offering**

**Advanced Spraying
Technology for Wood,
Waterborne, High
Wear and Adhesive
Applications**

Designed with the User in Mind

Air caps in three air spray technologies to fit the needs of your environment



Introduction

Conventional Spray Gun

Advanced spraying technology for wood, waterborne, high wear and adhesive applications

Whether you are a custom shop or a high volume manufacturing facility, the AirPro™ air spray gun delivers exceptional spraying performance while addressing your environmental and operator concerns.

- Cutting edge air cap and nozzle design optimize spray performance
- Wide range of gun models to meet the needs of your specific application
- Lightweight design, low trigger force and ergonomic handle provide maximum operator comfort
- Fewer parts means less maintenance and downtime
- Air flow and consumption are tested to meet environmental compliance

Exceptional Spray Quality

Air caps and nozzles specifically designed for wood finishing applications that require uniform material distribution at low pressures, including: stains, NGRs and toners

Air caps designed to spray environmentally friendly waterborne materials with high solids content including:

- Lacquers
- UV materials
- Paints
- Ceramics

Needle/nozzle sizes available:




0.020", 0.030" and 0.040" many more 0.5" -> 2.8" mm



AirPro™ Spray Gun

Versatile Product Line

Offered in three air spray technologies to fit the needs of your environment, Graco's AirPro™ gun has the versatility and flexibility to accommodate a variety of spraying needs.

AirPro™ Spray Gun			
	HVLP	COMPLIANT	CONVENTIONAL
FINISH QUALITY	Good	Better	Best
TRANSFER EFFICIENCY	High	High	Medium
FLUID FLOW	Low	Medium	High
AIR FLOW	High	Low	Low

Ergonomically designed for superior handling.

The AirPro™ guns have a soft, controlled and adjustable spray pattern delivering:

- Even materials distribution through the spray pattern for optimum coverage
- Improved transfer efficiency through reduced air consumption
- Reduced spray turbulence due to uniform air flow
- Enhanced atomization through material specific air caps



available in 3 Feed Types

Ordering information

Pressure Feed (part 1)

Part Number	Description	Feeding	Spray Technology	Typical Application	Nozzle Size
288726	AirPro™ Gun	Pressure	Conventional	Gm	0.6 mm
288929	AirPro™ Gun	Pressure	Conventional	Gm/Am	0.8 mm
288930	AirPro™ Gun	Pressure	Conventional	Gm/Am	1.1 mm
288931	AirPro™ Gun	Pressure	Conventional	Gm/Am	1.4 mm
288932	AirPro™ Gun	Pressure	Conventional	Gm	1.8 mm
288933	AirPro™ Gun	Pressure	Conventional	Gm	2.2 mm
288934	AirPro™ Gun	Pressure	Conventional	Gm	2.8 mm
288935	AirPro™ Gun	Pressure	HVLP	Gm	0.6 mm
288936	AirPro™ Gun	Pressure	HVLP	Gm	0.8 mm
288937	AirPro™ Gun	Pressure	HVLP	Gm	1.1 mm
288938	AirPro™ Gun	Pressure	HVLP	Gm	1.4 mm
288939	AirPro™ Gun	Pressure	HVLP	Gm	1.8 mm
288940	AirPro™ Gun	Pressure	HVLP	Gm	2.2 mm
288941	AirPro™ Gun	Pressure	HVLP	Gm	2.8 mm
288942	AirPro™ Gun	Pressure	Compliant	Gm	0.6 mm
288943	AirPro™ Gun	Pressure	Compliant	Gm	0.8 mm
288944	AirPro™ Gun	Pressure	Compliant	Gm	1.1 mm
288945	AirPro™ Gun	Pressure	Compliant	Gm	1.4 mm
288946	AirPro™ Gun	Pressure	Compliant	Gm	1.8 mm
288947	AirPro™ Gun	Pressure	Compliant	Gm	2.2 mm
288948	AirPro™ Gun	Pressure	Compliant	Gm	2.8 mm
288949	AirPro™ Gun	Pressure	Conventional	Gm, SST Tip	1.1 mm
288950	AirPro™ Gun	Pressure	Conventional	Gm, SST Tip	1.4 mm
288951	AirPro™ Gun	Pressure	Conventional	Gm, SST Tip	1.8 mm
288952	AirPro™ Gun	Pressure	HVLP	Gm, SST Tip	1.1 mm
288953	AirPro™ Gun	Pressure	HVLP	Gm, SST Tip	1.4 mm
288954	AirPro™ Gun	Pressure	HVLP	Gm, SST Tip	1.8 mm
288955	AirPro™ Gun	Pressure	Compliant	Gm, SST Tip	1.1 mm
288956	AirPro™ Gun	Pressure	Compliant	Gm, SST Tip	1.4 mm
288957	AirPro™ Gun	Pressure	Compliant	Gm, SST Tip	1.8 mm
289034	AirPro™ Gun	Pressure	HVLP	Am	1.0 mm
289035	AirPro™ Gun	Pressure	HVLP	Am	1.2 mm
289036	AirPro™ Gun	Pressure	Compliant	Am	1.0 mm
289037	AirPro™ Gun	Pressure	Compliant	Am	1.2 mm
288958	AirPro™ Gun	Pressure	Conventional	Stain	0.6 mm
288959	AirPro™ Gun	Pressure	Conventional	Stain	0.8 mm

Gm = general metal
Am = automotive

Ordering information

Pressure Feed (part 2)

Part Number	Description	Feeding	Spray Technology	Typical Application	Nozzle Size
289109	AirPro™ Gun	Pressure	Conventional	Stain	1.0 mm
288960	AirPro™ Gun	Pressure	HVLP	Stain	0.6 mm
288961	AirPro™ Gun	Pressure	HVLP	Stain	0.8 mm
289110	AirPro™ Gun	Pressure	HVLP	Stain	1.0 mm
288962	AirPro™ Gun	Pressure	Compliant	Stain	0.6 mm
288963	AirPro™ Gun	Pressure	Compliant	Stain	0.8 mm
289111	AirPro™ Gun	Pressure	Compliant	Stain	1.0 mm
288964	AirPro™ Gun	Pressure	Conventional	Waterborne	0.8 mm
288965	AirPro™ Gun	Pressure	Conventional	Waterborne	1.1 mm
288966	AirPro™ Gun	Pressure	Conventional	Waterborne	1.4 mm
288967	AirPro™ Gun	Pressure	HVLP	Waterborne	0.8 mm
288968	AirPro™ Gun	Pressure	HVLP	Waterborne	1.1 mm
288969	AirPro™ Gun	Pressure	HVLP	Waterborne	1.4 mm
288970	AirPro™ Gun	Pressure	Compliant	Waterborne	0.8 mm
288971	AirPro™ Gun	Pressure	Compliant	Waterborne	1.1 mm
288972	AirPro™ Gun	Pressure	Compliant	Waterborne	1.4 mm
288973	AirPro™ Gun	Pressure	Conventional	Ceramic	1.5 mm
288974	AirPro™ Gun	Pressure	Conventional	Ceramic	1.8 mm
288975	AirPro™ Gun	Pressure	Conventional	Ceramic	2.2 mm
288976	AirPro™ Gun	Pressure	HVLP	Ceramic	1.5 mm
288977	AirPro™ Gun	Pressure	HVLP	Ceramic	1.8 mm
288978	AirPro™ Gun	Pressure	HVLP	Ceramic	2.2 mm
288979	AirPro™ Gun	Pressure	Compliant	Ceramic	1.5 mm
288980	AirPro™ Gun	Pressure	Compliant	Ceramic	1.8 mm
288981	AirPro™ Gun	Pressure	Compliant	Ceramic	2.2 mm
288982	AirPro™ Gun	Pressure	Conventional	Adhesive	1.3 mm
288983	AirPro™ Gun	Pressure	Conventional	Adhesive	1.8 mm
288985	AirPro™ Gun	Pressure	HVLP	Spatter	1.1 mm

Gravity (part 1)

289002	AirPro™ Gun	Gravity	Conventional	No Cup	1.4 mm
289003	AirPro™ Gun	Gravity	Conventional	No Cup	1.8 mm
289005	AirPro™ Gun	Gravity	HVLP	No Cup	1.4 mm
289006	AirPro™ Gun	Gravity	HVLP	No Cup	1.8 mm
289008	AirPro™ Gun	Gravity	Compliant	No Cup	1.4 mm
289009	AirPro™ Gun	Gravity	Compliant	No Cup	1.8 mm
289011	AirPro™ Gun	Gravity	Conventional	With Cup	1.4 mm

Gravity (part 2)

Part Number	Description	Feeding	Spray Technology	Typical Application	Nozzle Size
289012	AirPro™ Gun	Gravity	Conventional	With Cup	1.8 mm
289014	AirPro™ Gun	Gravity	HVLP	With Cup	1.4 mm
289015	AirPro™ Gun	Gravity	HVLP	With Cup	1.8 mm
289017	AirPro™ Gun	Gravity	Compliant	With Cup	1.4 mm
289018	AirPro™ Gun	Gravity	Compliant	With Cup	1.8 mm
289020	AirPro™ Gun	Gravity	Conventional	3m PPS Cup	1.4 mm
289021	AirPro™ Gun	Gravity	Conventional	3m PPS Cup	1.8 mm
289023	AirPro™ Gun	Gravity	HVLP	3m PPS Cup	1.4 mm
289024	AirPro™ Gun	Gravity	HVLP	3m PPS Cup	1.8 mm
289026	AirPro™ Gun	Gravity	Compliant	3m PPS Cup	1.4 mm
289027	AirPro™ Gun	Gravity	Compliant	3m PPS Cup	1.8 mm

Siphon

289028	AirPro™ Gun	Siphon	Conventional	Siphon Cup	1.4 mm
289029	AirPro™ Gun	Siphon	Conventional	Siphon Cup	1.8 mm
289030	AirPro™ Gun	Siphon	HVLP	Siphon Cup	1.4 mm
289031	AirPro™ Gun	Siphon	HVLP	Siphon Cup	1.8 mm
289032	AirPro™ Gun	Siphon	Compliant	Siphon Cup	1.4 mm
289033	AirPro™ Gun	Siphon	Compliant	Siphon Cup	1.8 mm

Technical Specifications

Maximum Air Inlet Pressure	7 bar (0.7 MPa, 100 psi)
Maximum Fluid Inlet Pressure	21 bar (2.1 MPa, 300 psi)
Maximum HVLP/Compliant Inbound Air Pressure*	
HVLP**	1.3-2.1 bar (0.1-0.21 MPa, 19-30 psi)
Compliant**	2.0-2.4 bar (0.2-0.24 MPa, 29-35 psi)
Air Consumption	
Conventional General Metal @ 2.5 bar (0.25 MPa, 36 psi)	357 lpm
HVLP General Metal @ 1.3 bar (0.13 MPa, 19 psi)	422 lpm
Compliant General Metal @ 2.0 bar (0.2 MPa, 29 psi)	331 lpm
Fluid and Air Operating Temperature Range	0 - 43°C (32°-109°F)
Weight	410 g (14.46 oz)
Air Inlet	1/4 npsm (R1/4-19)
Fluid Inlet	3/8 npsm (R3/8-19)
Wetted Parts	303 SST, 17-4 PH SST, PEEK, acetal, UHMWPE

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Pressure feed	312414
Gravity Feed	312579
Siphon feed	312578

* Produces 0.7 bar (0.07 MPa, 10 psi) spraying pressure at air cap

** dependent on application type

Ordering Information

General Spares

Air Cap

- 288861 Kit, Air Cap, Ceramic, Conventional, 1.5 mm
- 288862 Kit, Air Cap, Stain, Conventional, 0.5 - 0.8 - 1.0 mm
- 288863 Kit, Air Cap, Stain, Compliant, 0.5 - 0.8 - 1.0 mm
- 288864 Kit, Air Cap, Stain, HVLP, 0.5 - 0.8 - 1.0 mm
- 289041 Kit, Air Cap, General Metal, HVLP, 0.5 - 0.8 - 1.1 - 1.4 - 1.8 mm
- 289042 Kit, Air Cap, General Metal, Compliant, 0.5 - 0.8 - 1.1 - 1.4 - 1.8 mm
- 289043 Kit, Air Cap, General Metal, HVLP, 2.8 mm
- 289044 Kit, Air Cap, General Metal, Compliant, 2.2 mm
- 289045 Kit, Air Cap, General Metal, Compliant, 2.8 mm
- 289046 Kit, Air Cap, Waterborne, Conventional, 0.8 - 1.1 - 1.4 mm
- 289047 Kit, Air Cap, Waterborne, HVLP, 0.8 - 1.1 - 1.4 mm
- 289048 Kit, Air Cap, Waterborne, Compliant, 0.8 - 1.1 - 1.4 mm
- 289049 Kit, Air Cap, Ceramic, Conventional, 1.8 - 2.2 - 2.8 mm
- 289050 Kit, Air Cap, Ceramic, Compliant, 1.5 mm
- 289051 Kit, Air Cap, Adhesive, Conventional, 1.3 - 1.8 mm
- 289053 Kit, Air Cap, Spatter, HVLP, 1.1 mm
- 289068 Kit, Air Cap, General Metal, Conventional, 2.2 mm
- 289069 Kit, Air Cap, General Metal, Conventional, 2.8 mm
- 289070 Kit, Air Cap, General Metal, HVLP, 2.2 mm
- 289115 Kit, Air Cap, Ceramic, HVLP, 1.5 mm
- 289325 Kit, Air Cap, Ceramic, HVLP, 1.8 - 2.2 - 2.8 mm
- 289327 Kit, Air Cap, Ceramic, Compliant, 1.8 - 2.2 - 2.8 mm
- 289435 Kit, Air Cap, HVLP, 1.4 - 1.8 mm
- 289769 Kit, Air Cap, Conventional, 1.4 - 1.8 mm
- 289768 Kit, Air Cap, Compliant, 1.4 - 1.8 mm
- 289771 Kit, Air Cap, Auto, HVLP, 1.4, 1.8 mm
- 289772 Kit, Air Cap, Auto, Compliant, 1.4 - 1.8 mm
- 289773 Kit, Air Cap, Auto, Conventional, 0.5 - 0.8 - 1.1 - 1.4 - 1.8 mm
- 289784 Kit, Air Cap, Conventional, 1.8 mm

Nozzle (part 1)

- 288907 Kit, Nozzle, Stain, 0.5 mm (0.020")
- 288927 Kit, Nozzle, Stain, 0.8 mm (0.030")
- 289061 Kit, Nozzle, Pressure Feed, 0.5 mm (0.020")
- 289062 Kit, Nozzle, Pressure Feed, 0.8 mm (0.030")
- 289063 Kit, Nozzle, Pressure Feed, 1.1 mm (0.042")
- 289064 Kit, Nozzle, Pressure Feed, 1.4 mm (0.055")
- 289065 Kit, Nozzle, Pressure Feed, 1.8 mm (0.070")
- 289066 Kit, Nozzle, Pressure Feed, 2.2 mm (0.086")
- 289067 Kit, Nozzle, Pressure Feed, 2.8 mm (0.110")
- 289071 Kit, Nozzle, Waterborne, 0.8 mm (0.030")
- 289072 Kit, Nozzle, Waterborne, 1.1 mm (0.042")
- 289073 Kit, Nozzle, Waterborne, 1.4 mm (0.055")
- 289074 Kit, Nozzle, Ceramic, 1.5 mm (0.059")
- 289075 Kit, Nozzle, Ceramic, 1.8 mm (0.070")
- 289076 Kit, Nozzle, Ceramic, 2.2 mm (0.086")



Nozzle (part 2)

289077	Kit, Nozzle, Adhesive, 1.3 mm (0.051")
289078	Kit, Nozzle, Adhesive, 1.8 mm (0.070")
289112	Kit, Nozzle, Stain, 1.0 mm (0.040")
289331	Kit, Nozzle, Ceramic, 1.5 mm (0.059")
289332	Kit, Nozzle, Ceramic, 1.8 mm (0.070")
289333	Kit, Nozzle, Ceramic, 2.2 mm (0.086")
289417	Kit, Nozzle, Siphon, HVLP, 1.4 mm (0.055")
289418	Kit, Nozzle, Siphon, HVLP, 1.8 mm (0.070")
289559	Kit, Nozzle, Fluid, 1.8 mm (0.070")
289560	Kit, Nozzle, Fluid, 1.4 mm (0.055")
289767	Kit, Nozzle, Fluid, 1.8 mm (0.07")
289774	Kit, Nozzle, Basecoat, 1.0 mm (0.040")
289775	Kit, Nozzle, Basecoat, 1.2 mm (0.047")
289776	Kit, Nozzle, Basecoat, 1.4 mm, (0.055")
289777	Kit, Nozzle, Compliant, 1.0 mm (0.040")
289778	Kit, Nozzle, Compliant, 1.2 (0.047")
289779	Kit, Nozzle, Compliant, 1.4 mm (0.055")
289780	Kit, Nozzle, Fluid, Conventional, 1.4 mm (0.055")
289781	Kit, Nozzle, Fluid, Compliant, 1.4 mm (0.055")
289782	Kit, Nozzle, Fluid, Compliant, 1.8 mm (0.070")
289783	Kit, Nozzle, Fluid, 1.8 mm (0.070")
289801	Kit, Nozzle, Basecoat, 1.8 mm (0.070")

Needle

289270	Kit, Needle, 0.5 mm (0.02")
289271	Kit, Needle, 0.8 mm (0.03")
289272	Kit, Needle, 1.1 mm (0.042")
289273	Kit, Needle, SST, 1.4 mm (0.055") - 1.8 mm (0.070")
289351	Kit, Needle Assembly, 2.2 mm (0.086")
289352	Kit, Needle Assembly, 1.5 mm (0.059") - 1.8 mm (0.070")
289785	Kit, Needle, 0.8 mm (0.03") - 1.0 mm (0.040") - 1.1 mm (0.042")
289786	Kit, Needle, HVLP, Conventional, 1.4 mm (0.055")
289787	Kit, Needle, 2.2 mm (0.089")
289788	Kit, Needle, Siphon, Conventional/ Compliant, 1.4 (0.044") - 1.8 mm (0.070")
289789	Kit, Needle, Siphon, HVLP, 1.4 mm (0.044") - 1.8 mm (0.070")
289799	Kit, Needle, 1.4 mm (0.044"), 1.8 mm (0.070")

Needle/Nozzle Kit (part 1)

289458	Kit, Needle and Nozzle, General Metal, 0.5 mm (0.020")
289459	Kit, Needle and Nozzle, General Metal, 0.8 mm (0.030")
289460	Kit, Needle and Nozzle, General Metal, 1.1 mm (0.042")
289461	Kit, Needle and Nozzle, SST, 1.1 mm (0.042")
289462	Kit, Needle and Nozzle, General Metal, 1.4 mm (0.055")
289463	Kit, Needle and Nozzle, SST, General Metal, 1.4 mm (0.055")
289464	Kit, Needle and Nozzle, General Metal, 1.8 mm (0.070")
289465	Kit, Needle and Nozzle, SST, General Metal, 1.8 mm (0.070")
289466	Kit, Needle and Nozzle, General Metal, 2.2 mm (0.086")
289467	Kit, Needle and Nozzle, General Metal, 2.8 mm (0.110")
289468	Kit, Needle and Nozzle, 1.0 mm (0.040")

Ordering Information

Needle/Nozzle Kit (part 2)

- 289469 Kit, Needle and Nozzle, HVLP, 1.2 mm (0.047")
- 289470 Kit, Needle and Nozzle, Compliant, 1.0 mm (0.040")
- 289471 Kit, Needle and Nozzle, Compliant, 1.2 mm (0.047")
- 289472 Kit, Needle and Nozzle, Stain, 0.5 mm (0.020")
- 289473 Kit, Needle and Nozzle, Stain, 0.8 mm (0.030")
- 289474 Kit, Needle and Nozzle, Stain, 1.0 mm (0.040")
- 289475 Kit, Needle and Nozzle, Waterborne, 0.8 mm (0.030")
- 289476 Kit, Needle and Nozzle, Waterborne, 1.1 mm (0.042")
- 289477 Kit, Needle and Nozzle, Waterborne, 1.4 mm (0.055")
- 289478 Kit, Needle and Nozzle, High Wear, Conventional, 1.5 mm (0.059")
- 289479 Kit, Needle and Nozzle, High Wear, Conventional, 1.8 mm (0.070")
- 289480 Kit, Needle and Nozzle, High Wear, Conventional, 2.2 mm (0.086")
- 289481 Kit, Needle and Nozzle, High Wear, Compliant/HVLP, 1.5 mm (0.059")
- 289482 Kit, Needle and Nozzle, High Wear, Compliant/HVLP, 1.8 mm (0.070")
- 289483 Kit, Needle and Nozzle, High Wear, Compliant/HVLP, 2.2 mm (0.086")
- 289484 Kit, Needle and Nozzle, Conventional, 1.3 mm (0.051")
- 289485 Kit, Needle and Nozzle, Conventional, 1.8 mm (0.070")
- 289487 Kit, Needle and Nozzle, Conventional, Siphon, 1.4 mm (0.055")
- 289488 Kit, Needle and Nozzle, Conventional, Siphon, 1.8 mm (0.070")
- 289489 Kit, Needle and Nozzle, HVLP, Siphon, 1.4 mm (0.055")
- 289490 Kit, Needle and Nozzle, HVLP, Siphon, 1.8 mm (0.070")
- 289491 Kit, Needle and Nozzle, Compliant, Siphon, 1.4 mm (0.055")
- 289492 Kit, Needle and Nozzle, Compliant, Siphon, 1.8 mm (0.070")
- 289493 Kit, Needle and Nozzle, Conventional, Gravity, 1.4 mm (0.055")
- 289494 Kit, Needle and Nozzle, Conventional, Gravity, 1.8 mm (0.070")
- 289495 Kit, Needle and Nozzle, HVLP, Gravity, 1.4 mm (0.055")
- 289496 Kit, Needle and Nozzle, HVLP, Gravity, 1.8 mm (0.070")
- 289497 Kit, Needle and Nozzle, Compliant, Gravity, 1.4 mm (0.055")
- 289498 Kit, Needle and Nozzle, Gravity, Compliant, 1.8 mm (0.070")

Needle Tip Kit

- 288183 Kit, Peek Needle Tip, 0.8 mm (0.030")
- 288184 Kit, Peek Needle Tip, 1.1 mm (0.042")
- 288185 Kit, Peek Needle Tip, 1.4 mm (0.055")
- 288984 Kit, Gun, Tip, 1.3 mm (0.051")
- 289001 Kit, Gun, Tip, 1.5 mm (0.059")
- 289004 Kit, Gun, Tip, 2.2 mm (0.086")
- 289007 Kit, Gun, Tip, 2.8 mm (0.110")
- 289350 Kit, Tip, 0.5 mm (0.020")

Parts (part 1)

- 111457 O-Ring
- 244130 Cup, Under Assembly, 1I HVLP
- 289016 Kit, Handle Assembly, Press
- 289038 Kit, Air Valve Assembly



Parts (part 2)

289039	Kit, Air Valve Assembly
289052	Kit, Nut Air Valve U-Cup
289097	Kit, Fluid Control Valve
289140	Kit, Trigger
289142	Kit, Air Inlet Valve Assembly
289195	Filter, Cup
289451	Kit, Air Inlet Fitting
289452	Kit, Air Plug Nut
289770	Kit, Accessory, Plastic Cup
289792	Kit, Repair, Fluid Inlet
289793	Kit, Repair, Fluid Inlet Nut
289794	Kit, Accessory, Gun Tool
289796	Kit, Repair, Air Control Valve
289798	Kit, Accessory, Air Valve Assembly

Repair Kits

289016	Kit, Handle Assembly, Pressure
289022	Kit, Handle Assembly, Gravity
289079	Kit, Retaining Ring
289143	Kit, Trigger Repair
289213	Kit Cup Gasket, 10 Pack
289399	Kit, Gun Repair
289419	Gun, AirPro, Blank
289455	Kit, Needle Packing
289790	Kit, Gun Repair
289791	Kit, Air Cap, Seals

Accessories

192407	Holder
235117	Single Regulator Cup, Aluminum
239802	Pressure Cup SST, Single Air Regulator
239803	Pressure Cup, SST, Double Air Regulator
239804	Pressure Cup SST, Remote, 0.95 Liter
240266	Intake Cup 1 Liter (40/Kit)
244130	Cup, Under Assembly, 1 Liter HVLP
289563	Air Pressure Verification Kit, 0.5 - 1.8 mm
289564	Air Pressure Verification Kit, 2.2 mm
289565	Air Pressure Verification Kit, 2.8 mm
289566	Air Pressure Verification Kit, Stain
289567	Air Pressure Verification Kit, Waterborne
289568	Air Pressure Verification Kit, High Wear, 1.5 mm
289569	Air Pressure Verification Kit, High Wear, 1.8 - 2.2 mm
289589	Air Pressure Verification Kit, Test Gauge
289770	Kit, Accessory, Plastic Cup
289797	Kit, Accessory, 650 cc Cup
289802	Kit, Accessory, 1000 cc Cup
289803	Kit HVLP Verification, Test Gauge





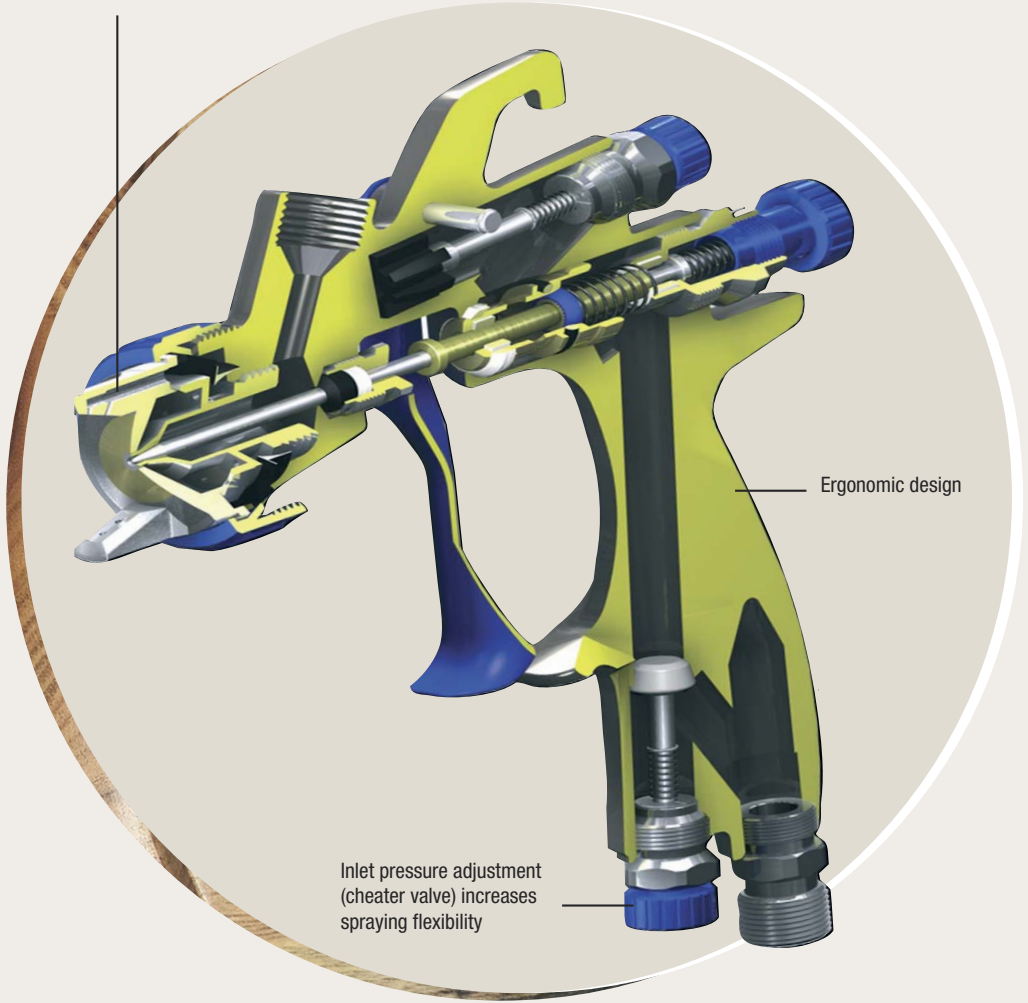
Finex™

**Economic Conventional
Spraying Gun for
Wood and Waterborne
Applications**

GUNS • FINEX

Designed with the User in Mind

Air caps in two air spray technologies to fit the needs of your environment



Introduction



Well-balanced and lightweight, the Finex™ gun design offers a more affordable way to spray

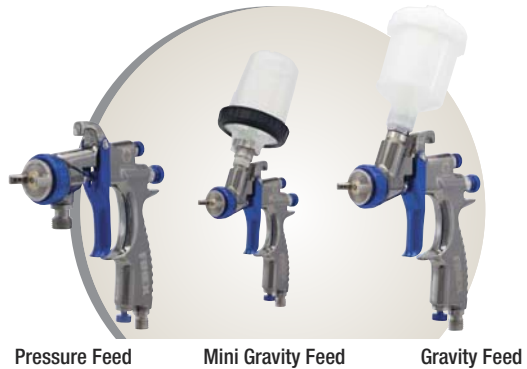
- Air caps optimized for high quality spray performance
- Lightweight, ergonomic gun
- Light trigger pull
- Integrated air inlet adjustment (cheater) valve

Finex™ Pressure Feed Guns

- Available in HVLP and conventional technologies
- Needle/nozzle sizes offered in 1.0 - 1.2 - 1.4 and 1.8 mm
- Additional 0.8 mm nozzle for conventional technology

Finex™ Gravity Feed Guns

- Mini and Standard Gravity Feed offered in a wide variety of needle/nozzle size
- Plastic cup included with the gun, 3M™ PPS™ and aluminum cups also available



Ordering information

Gravity

Part Number	Description	Feeding	Spray Technology	Nozzle Size
289256	Finex™ Gun	Gravity	Mini-HVLP	0.6 mm
289257	Finex™ Gun	Gravity	Mini-HVLP	0.8 mm
289258	Finex™ Gun	Gravity	Mini-HVLP	1.0 mm
289259	Finex™ Gun	Gravity	Mini-HVLP	1.2 mm
289260	Finex™ Gun	Gravity	Mini-HVLP	1.4 mm
289242	Finex™ Gun	Gravity	Conventional	1.0 mm
289243	Finex™ Gun	Gravity	Conventional	1.3 mm
289244	Finex™ Gun	Gravity	Conventional	1.4 mm
289245	Finex™ Gun	Gravity	Conventional	1.5 mm
289246	Finex™ Gun	Gravity	Conventional	1.8 mm
289237	Finex™ Gun	Gravity	HVLP	1.0 mm
289238	Finex™ Gun	Gravity	HVLP	1.3 mm
289239	Finex™ Gun	Gravity	HVLP	1.4 mm
289240	Finex™ Gun	Gravity	HVLP	1.5 mm
289241	Finex™ Gun	Gravity	HVLP	1.8 mm

Pressure

Part Number	Description	Feeding	Spray Technology	Nozzle Size
289247	Finex™ Gun	Pressure	HVLP	1.0 mm
289248	Finex™ Gun	Pressure	HVLP	1.2 mm
289249	Finex™ Gun	Pressure	HVLP	1.4 mm
289250	Finex™ Gun	Pressure	HVLP	1.8 mm
289251	Finex™ Gun	Pressure	Conventional	0.8 mm
289252	Finex™ Gun	Pressure	Conventional	1.0 mm
289253	Finex™ Gun	Pressure	Conventional	1.2 mm
289254	Finex™ Gun	Pressure	Conventional	1.4 mm
289255	Finex™ Gun	Pressure	Conventional	1.8 mm

Technical Specifications

Maximum Air Inlet Pressure	7 bar (0.7 MPa, 100 psi)
Maximum Fluid Working Pressure	7 bar (0.7 MPa, 100 psi)
Gravity Feed	
Maximum HVLP Inbound Air Pressure	2 bar (0.2 MPa, 29 psi)*
Pressure Feed:	
Maximum HVLP Inbound Air Pressure	1.7 bar (0.17 MPa, 24 psi)*
Air Consumption	
Mini-HVLP Gravity	198 lpm at 2.0 bar (0.2 MPa, 29 psi)
Conventional Gravity	269 lpm at 3.0 bar (0.3 MPa, 43 psi)
HVLP Gravity	269 lpm at 2.0 bar (0.2 MPa, 29 psi)
HVLP Pressure	334 lpm at 1.7 bar (0.17 MPa, 24 psi)
Conventional Pressure	311 lpm at 3.4 bar (0.34 MPa, 50 psi)
Fluid and Air Operating Temperature Range	0-43° C (32-109°F)
Spray Gun	
Air Inlet	1/4 npsm (R1/4-19)
Fluid Inlet (Pressure Feed)	3/8-18 npsm (R3/8-19)
Mini-HVLP Gravity Weight with Cup	0.4 kg (0.9 lb)
Gravity Feed Weight with Cup	0.5 kg (1.1 lb)
Pressure Feed Weight	0.37 kg (0.8 lb)
Wetted Parts	Aluminum, stainless steel, engineered plastic

Instruction Manual

..... 312388

* Produces 0.7 bar (0.07 MPa, 10 psi) spraying pressure at air cap

** dependent on application type



Ordering information



General Spares

Needle, Nozzle, Air Cap Kit

- 289286** Kit Needle, Nozzle, Air Cap, Mini-HVLP, 0.6 mm
- 289287** Kit Needle, Nozzle, Air Cap, Mini-HVLP, 0.8 mm
- 289288** Kit Needle, Nozzle, Air Cap, Mini-HVLP, 1.0 mm
- 289289** Kit Needle, Nozzle, Air Cap, Mini-HVLP, 1.2 mm
- 289290** Kit Needle, Nozzle, Air Cap, Mini-HVLP, 1.4 mm
- 289291** Kit Needle, Nozzle, Air Cap, Conventional, 1.0 mm
- 289292** Kit Needle, Nozzle, Air Cap, Conventional, 1.2 mm
- 289293** Kit Needle, Nozzle, Air Cap, Conventional, 1.4 mm
- 289294** Kit Needle, Nozzle, Air Cap, Conventional, 1.5 mm
- 289295** Kit Needle, Nozzle, Air Cap, Conventional, 1.8 mm
- 289296** Kit Needle, Nozzle, Air Cap, HVLP, 1.0 mm
- 289297** Kit Needle, Nozzle, Air Cap, HVLP, 1.2 mm
- 289298** Kit Needle, Nozzle, Air Cap, HVLP, 1.4 mm
- 289299** Kit Needle, Nozzle, Air Cap, HVLP, 1.5 mm
- 289300** Kit Needle, Nozzle, Air Cap, HVLP, 1.8 mm
- 289301** Kit Needle, Nozzle, Air Cap, HVLP, Pressure, 1.0 mm
- 289302** Kit Needle, Nozzle, Air Cap, HVLP, Pressure, 1.2 mm
- 289303** Kit Needle, Nozzle, Air Cap, HVLP, Pressure, 1.4 mm
- 289304** Kit Needle, Nozzle, Air Cap, HVLP, Pressure, 1.8 mm
- 289305** Kit Needle, Nozzle, Air Cap, Conventional, Pressure, 0.8 mm
- 289306** Kit Needle, Nozzle, Air Cap, Conventional, Pressure, 1.0 mm
- 289307** Kit Needle, Nozzle, Air Cap, Conventional, Pressure, 1.2 mm
- 289308** Kit Needle, Nozzle, Air Cap, Conventional, Pressure, 1.4 mm
- 289309** Kit Needle, Nozzle, Air Cap, Conventional, Pressure, 1.8 mm
- 289677** Kit Needle, Nozzle, Air Cap, Conventional, Pressure, 2.2 mm
- 289678** Kit Needle, Nozzle, Air Cap, Conventional, Pressure, 2.5 mm

Needle Packing Kit

- 288890** Kit, Needle Packing, Mini-HVLP
- 288891** Kit, Needle Packing, Conventional

Gun Body Kit

- 288892** Kit, Gun Body, Mini-HVLP
- 288893** Kit, Gun Body, Gravity
- 288894** Kit, Gun Body, Pressure

Gun Rebuild Kit

- 288895** Kit, Repair, Mini HvpL
- 288896** Kit, Repair, Gravity
- 288897** Kit, Repair, Pressure

Accessories

- 289322** Gravity Cup, Plastic, 600cc
- 289323** Gravity Cup, Plastic, 125cc
- 289520** Kit, PPS Adapter
- 289517** Gravity Cup, Aluminum, 125cc
- 289321** Gravity Cup, Aluminum, 250cc
- 289320** Gravity Cup, Aluminum, 600cc





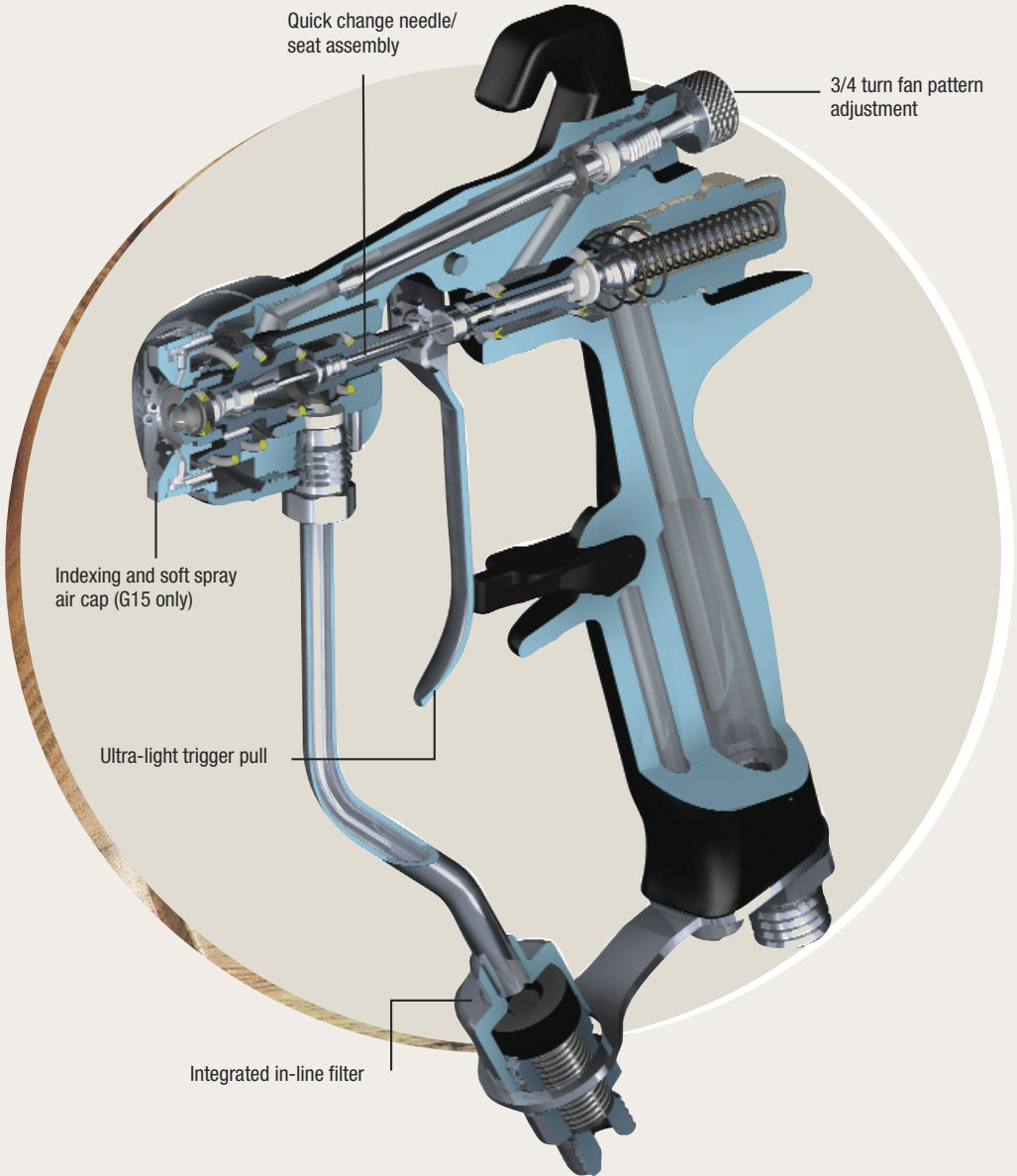


AA Series

**Manual Air-Assisted
Spray Guns**

**Designed for excep-
tional spray quality
and ease-of-use**

Designed with the User in Mind



Introduction



Operator-Friendly Design

Designed to maximize efficiency and quality, while reducing operator fatigue, AA Series guns use high quality components for long lasting reliable performance. Most importantly, the AA Series guns give the sprayer the ability to significantly vary the spray pattern without changing the tip.

AA Series Guns are designed for:

- High quality air-assisted spraying in a variety of applications
- Maximizing operator comfort and productivity
- Reducing overall cost of ownership
- Improving transfer efficiency and material usage
- Versatile spraying of all shape and sizes

Spray Quality

Achieve a superior finish

- Enhanced tip design creates uniform atomization for a superior finish quality
- The unique air cap enables soft spray
- Increased transfer efficiency resulting from a design that allows for lower fluid and air pressure
- Adjustable fan pattern means less overspray, less material waste, less VOC's, and improved productivity

Ergonomics

Maximize productivity

- Overall weight is greatly reduced resulting in one of the lightest guns in its category
- Trigger pull force is extremely low, reducing operator fatigue and muscle stress
- Handle design fits any size hand for increased operator comfort

Cost of Ownership

Save time and money

- Ease of assembly and disassembly reduces repair time
- Designed to minimize wear of replacement parts
- Fewer parts means an overall lower cost of repair

Ordering Information

G15™ Gun

Medium pressure gun up to 105 bar, includes a carbide seat and indexing air cap (249596) and choice of spray tip from below chart, which is specified when order is placed.

G40™ Gun

High pressure gun up to 280 bar, includes a carbide seat, tip guard (249256), air cap (249180) and choice of spray tip from below chart, which is specified when order is placed.

Ordering information

Part

Number	Description
287926	G15 Gun Carbide seat
288844	G15 Gun Plastic seat
249242	G40 Gun Carbide seat
249246	G40 Hi-Flow Gun
249238	G40 Reverse-A-Clean (RAC™) Spray Gun



Technical Specifications

Maximum Working Fluid Pressure	Model G15: 105 bar (10 MPa, 1500 psi)
.....	Model G40: 280 bar (28 MPa, 4000 psi)
Maximum Working Air Pressure	7 bar (0.7 MPa, 100 psi)
Maximum Working Fluid Temperature	43° C (110° F)
Fluid Inlet	1/4-18 npsm*
Air Inlet	1/4-18 npsm (R1/4-19) compound male thread**
Gun Weight	450 grams (16 oz)
Sound Pressure at 1.4 bar (140 kPa, 20 psi)	66.9 dB(A)
Sound Pressure at 7 bar (0.7 kPa, 100 psi)	80.0 dB(A)
Gun Body	Forged Aluminum
Fluid Filter	100 mesh
Trigger Pull:	
G15	0.95 kg (2.1 lb)
G40	1.77 kg (3.9 lb)
Wetted Parts	Stainless Steel, Carbide, Ultra High Molecular Weight, Polyethylene, Acetal, PTFE, nylon

Instruction Manual

.....311001

* Optional swivel fitting available - ** Optional quick-disconnect available

General Spares

- 241804** Tip Filter Kit Replacement Filters for Spray Tip Orifice Sizes 0.178 - 0.229 and 0.279 mm (0.007 - 0.009 and 0.011")
- 241811** Air Hose 7 bar (0.7 MPa, 100 psi)
- 249424** G15 Seat Repair Kit (Acetal)
- 249456** G40 Seat Repair Kit (Carbide)
- 249422** Seal Repair Kit
- 249585** Trigger Repair Kit

Accessories

- 238561** 100 Mesh Fluid Filter Kit 100 mesh, 3-Pack
- 224453** 100 Mesh Fluid Filter Kit 100 mesh, 5-Pack
- 238563** 60 Mesh Fluid Filter Kit 60 mesh
- 189018** Fluid Swivel Connector 400 bar (40 MPa, 5800 psi)
- 238694** High Pressure Fluid Ball Valve 350 bar (35 MPa, 5000 psi)
- 241812** Fluid Hose 242 bar (24 MPa, 3500 psi)
- 249473** Air Fitting and Tubing Kit
Alternative-style Connector for Air Inlet and Hose.
- 15G093** G15 Gun Flush Box Insert
- 15G346** G40 Gun Flush Box Insert
- 249140** HVLP Verification Kit
- 249598** Unclogging Needle Kit
- 101892** Gun Brush, use to clean the Gun
- 15C161** Ultimate Gun Cleaning Kit
- 111265** Gun Lubricant One 113 g (4 oz.)





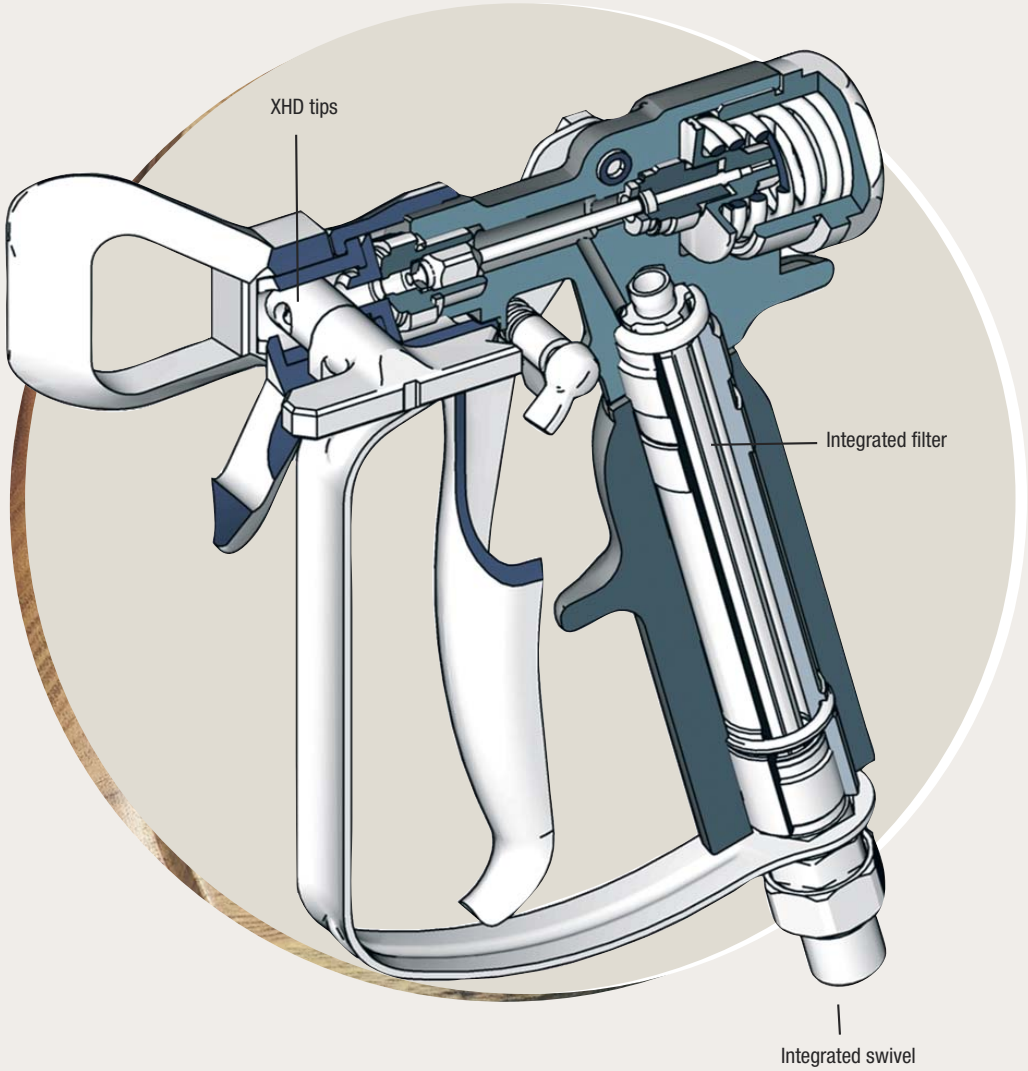


XTR™ Guns

Airless Spray Guns

**Built for Extreme
Conditions**

Designed with the User in Mind



Introduction



XTR™ Airless Spray Guns Rugged design to handle the toughest protective coatings

- Built for extreme conditions
- Compact design allows for easy manoeuvrability
- XTR-5: maximum fluid pressure of 345 bar (34.5 MPa, 5000 psi)
- Variety of handle and trigger options
- High quality materials and construction

Ordering Information

Part

Number	Description
XTR501	25 mm round handle, four-finger trigger, flat tip*
XTR502	Oval insulated handle, four-finger trigger, XHD RAC tip*
XTR503	Oval insulated handle, two-finger trigger, XHD RAC tip*
XTR504	25 mm round handle, four-finger trigger, XHD RAC tip*
XTR505	25 mm round handle, two-finger trigger, XHD RAC tip*



Ordering information



Technical Specifications

Maximum Fluid Working Pressure	XTR-5: 345 bar, 34.5 MPa (5000 psi)
Fluid Orifice	2.3 mm (0.090 in)
Fluid Inlet	1/4 npsm
Maximum Fluid Temperature	71° C (160° F)
Sound Pressure	84.3dB(A)*
Sound Power	95.7dB(A)*
Dimensions	XTR-5: Weight 411 g, Length 111 mm, Height 180 mm
.....	Polypropylene, Nylon, Acetal, Carbide, Solvent-resistant O-rings

Instruction Manual

..... 312145

General Spares

Hoses

H42503	0.9 m (3 ft) 6.4 mm (1/4 in) 1/4 in
H42506	1.8 m (6 ft) 6.4 mm (1/4 in) 1/4 in
H42510	3.0 m (10 ft) 6.4 mm (1/4 in) 1/4 in
H42525	7.5 m (25 ft) 6.4 mm (1/4 in) 1/4 in
H42550	15 m (50 ft) 6.4 mm (1/4 in) 1/4 in
H4251X	30 m (100 ft) 6.4 mm (1/4 in) 1/4 in
H43803	0.9 m (3 ft) 9.5 mm (3/8 in) 3/8 in
H43806	1.8 m (6 ft) 9.5 mm (3/8 in) 3/8 in
H43810	3.0 m (10 ft) 9.5 mm (3/8 in) 3/8 in
H43825	7.5 m (25 ft) 9.5 mm (3/8 in) 3/8 in
H43850	15 m (50 ft) 9.5 mm (3/8 in) 3/8 in
H4381X	30 m (100 ft) 9.5 mm (3/8 in) 3/8 in
H45010	3.0 m (10 ft) 12.7 mm (1/2 in) 1/2 in
H45025	7.6 m (25 ft) 12.7 mm (1/2 in) 1/2 in
H45050	15 m (50 ft) 12.7 mm (1/2 in) 1/2 in
H4501X	30 m (100 ft) 12.7 mm (1/2 in) 1/2 in

Triggers

287450	2-Finger Trigger Kit
287449	4-Finger Round Trigger Kit
287451	4-Finger Oval Insulation Trigger Kit

Repair Kit

248837	Gun Repair Kit, includes Gasket, Needle and Seat
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Filters

287032	Filter, 60 mesh, included in every Gun
287033	Filter, 100 mesh
287034	Filter, 60 and 100 mesh combination

Accessories

246294	254 mm Gun Extension, 500 bar (50 MPa, 7250 psi)
246295	380 mm Gun Extension, 500 bar (50 MPa, 7250 psi)
246296	457 mm Gun Extension, 500 bar (50 MPa, 7250 psi)
246297	180° Spray Nozzle, 7/8-14 UNC-2B, 500 bar (50 MPa, 7250 psi)



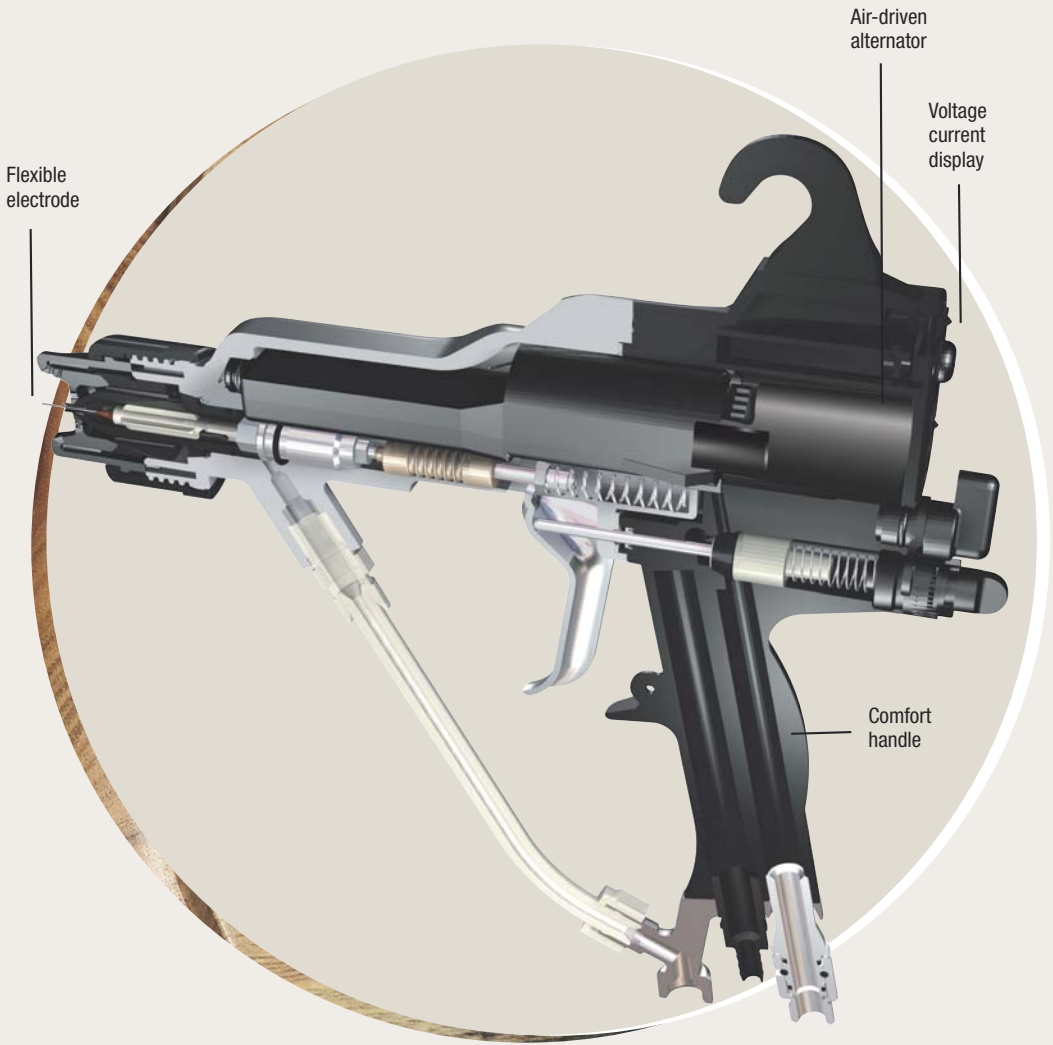


PRO Xs™ Guns

**Electrostatic
Spray Guns**

**Better Finish
Operator Comfort
Savings Time
Material Savings**

Designed with the User in Mind



Introduction

Let's make things LIGHT and EASY

All PRO Xs™ electrostatic guns are based on Graco's internal power supply technology. Air spray or air-assisted airless, hand or automatic PRO Xs™ combines the benefits of electrostatic material savings with lightweight.

Better Finish:

- Indexing air cap
- Easy to align for consistent spraying
- Flexible electrode
- Durable SnapBack™ electrode for longer life and better alignment for consistency
- New air cap design
- Improved consistency and uniform alignment
- More resistant to breakage due to new material construction

Operator Comfort:

- Select Comfort™ grip
- Maximizes comfort for long hours of spraying
- Optional hand grips
- Customizes the handle to accommodate different hand sizes
- Light trigger pull
- Helps to reduce fatigue
- Integral air swivel
- Provides maximum flexibility
- Balance
- Best overall balance for operator satisfaction

Key benefits:

- Get the finish quality and the production speed of an air spray gun
- Double the transfer efficiency of your conventional air spray gun
- No care about electrical connections, the gun is just powered with air
- A price never expected for an electrostatic gun

Savings:

- Material savings
- Less paint wasted
- Quick and easy installation
- Easy installation without electrical connections
- Saves time and money
- Low cost of ownership
- Reduced time to service, less maintenance

Durability:

- Turbine and bearings
- Improved material compatibility for longer life
- Barrel
- Wider threads at air cap for improved durability and longer life
- Replaceable hook
- Saves money - no need to replace the whole barrel
- Solvent resistance
- Overall improved design for better material compatibility

Ordering Information

PRO Xs™ 2

This gun takes your finishing operation to a higher quality level, at a price you never expected for an electrostatic air spray gun.

Features include

- Size and weight, comparable to a conventional air spray or HVLP gun
- Quick return-on-investment
- A gun conform European VOC legislation
- 3-year warranty on power supply, all guns have barrel and handle
- Operator will be satisfied with overall balance
- 20 kV voltage output

PRO Xs™ Waterborne

Easy Installation and Operation

Ideal for spraying waterborne materials on circulation systems, the PRO Xs™ waterborne gun reduces operating costs and material usage. The fluid remains grounded in the gun, no isolation system is needed for operation.

Reduce operating costs with waterborne materials in a circulation system

- Superior atomization for a high quality finish
- Internal power supply allows for quick installation and easy service
- Lightweight and compact design increases operator comfort
- External charging probe is quick release for easy changeout
- Rugged design outlasts the competition
- Display monitors voltage and current
- Recommended for use with waterborne materials and specific high conductivity materials



PRO Xs™ 3

PRO Xs™ 3 takes electrostatic finishing to unexpected material savings, ergonomics and finish quality. The durability is what you've come to expect from Graco.

Features include

- 60 kV voltage output for standard, high conductivity or waterborne coatings
- Superb finish quality
- Excellent material savings at an optimal gun size

PRO Xs™ 4

Pro Xs4™ provides material savings and durability with a low cost of ownership, along with a lightweight, comfortable design to reduce operator fatigue.

Features include

- 85 kV voltage input
- High material savings
- Superb finish quality
- Good material savings for fast return-on-investment using air spray technology
- Reduced cost of ownership

PRO Xs™ 4 Air-Assisted

Pro Xs™ 4 AA's lightweight, comfortable design reduces operator fatigue with excellent transfer efficiency.

Features include

- 85 kV voltage input
- Superb finish quality
- Good material savings for quickest return-on-investment using air-assisted technology
- Meets fast production speed requirements
- Round spray kit and nozzles available



Ordering Information

Part Number	Description
244399	PRO Xs™ 2, Power Point Design
244400	PRO Xs™ 3, 60 kV, Standard Coatings
244579	PRO Xs™ 3, Smart, 60 kV, Standard Coatings
244575	PRO Xs™ 3, 60 kV, High Conductivity
244576	PRO Xs™ 3, Smart, 60 kV, High Conductivity
244581	PRO Xs™ 3, 60 kV, Waterborne
244582	PRO Xs™ 3, Smart, 60 kV, Waterborne
245301	PRO Xs™ 3 Kit, 60 kV, Waterborne, with 7.6 m Fluid Hose
245305	Wb PRO Xs™ 3 Kit, 60 kV, Smart, Waterborne, with 7.6 m Fluid Hose
244401	PRO Xs™ 4, 85 kV, Standard Coatings
244580	PRO Xs™ 4, Smart, 85 kV, Standard Coatings
244572	PRO Xs™ 4, 85 kV, Air-Assisted + GG3xxx FOC
244573	PRO Xs™ 4, Smart, 85 kV, Air-Assist + GG3xxx FOC
247936	PRO Xs™ Waterborne
247937	PRO Xs™ Waterborne Smart Gun





Technical Specifications

Maximum Fluid Working Pressure	7 bar, (0.7 MPa, 100 psi)
Max. Working Air Pressure	7 bar, (0.7 MPa, 100 psi)
Gun Weight	PRO Xs™ 2: 667 g (23.5 oz.)
.....	PRO Xs™ 3: 711 g (25.1 oz.)
.....	PRO Xs™ 4: 788 g (27.8 oz.)
.....	PRO Xs™ 4 Aa: 825 g (29.1 oz.)
.....	PRO Xs™ WB: 634 g (22.4 oz.)
.....	PRO Xs™ WB Smart: 712 g (25.01 oz.)
Gun Length	Pro Xs™ 2 :21.8 cm (8.6 In.)
.....	PRO Xs™ 3 / PRO Xs™ WB / PRO Xs™ WB Smart: 24.6 cm (9.7 In.)
.....	PRO Xs™ 4: 28.2 cm (11.1 In.)
.....	PRO Xs™ 4 Aa: 29.0 cm (11.4 In.)
Recommended Paint Resistivity Range	PRO Xs™ 2: 7 To 150 Megohm-Cm
.....	PRO Xs™ 3, PRO Xs™ 4 Aa: 7 To ∞ Megohm-Cm
.....	PRO Xs™ 4: 25 To ∞ Megohm-Cm
.....	PRO Xs™ WB: < 1Megohm-Cm
Max. Voltage Output	PRO Xs™ 2: Power Point Design
.....	PRO Xs™ 3 / Pro Xs™ WB: 60 kiloVolt
.....	PRO Xs™ 4 / Pro Xs™ 4 Aa: 85 kiloVolt
Max. Fluid Working Temp.	48.8° C (120° F)
Air Inlet	1/4 Npsm (L.H.)
Fluid Inlet	PRO Xs™ 2, PRO Xs™ 3, PRO Xs™ 4 : 3/8-18 Npsm (R 3/8-19) Compound Thread
.....	PRO Xs™ 4 Aa: 1/4-18 Npsm
Wetted Parts	PRO Xs™ 2, PRO Xs™ 3, PRO Xs™ 4:
.....	Polyethylene, SST, Nylon, Acetal, PTFE, UHMWPE, Fluoroelastomer, Peek, Nickel
.....	PRO Xs™ 4 Aa
.....	SST, Nylon, Peek, UHMWPE, Carbide, Acetal
Noise Data*	
Sound Pressure.....	PRO Xs™ 2, PRO Xs™ 3, PRO Xs™ WB, PRO Xs™ 4: 87.0 DbA
.....	PRO Xs™ 4 Aa: 95.0 DbA
Sound Power	PRO Xs™ 2, PRO Xs™ 3, PRO Xs™ WB, PRO Xs™ 4: 90.4 DbA
.....	Pro Xs™ 4 Aa: 99.7 DbA

Instruction Manual

.....	PRO Xs™ 2, Pro Xs™ 4: 309294
.....	PRO Xs™ 3 : 309294 - 309293
.....	PRO Xs™ 4 Aa: 309296
.....	PRO Xs™ WB: 312900

*All readings were taken at 2.8 bar (0.3 MPa, 40 psi). Sound pressure was tested to CAGI-PNUEROP-1969 and sound power to ISO 3744-1981. UHMWPE - Ultra-High Molecular Weight Polyethylene

Ordering Information



General Spares

185493	Air Hose Adapter Nipple, for Multiple Hoses
112534	Air QuickDisconnect™ Swivel
222011	Grounding Clamp And Cable
241079	Megohmmeter, Digital
722886	Paint Resistance Meter
722860	Paint Probe
24A328	Kit, Probe
24A329	Kit, Barrel
24A336	Kit, Aluminum Bracket, 7/16-20
24A335	Kit, Trigger
24A445	Kit, Trigger Screws
24A332	Kit, Power Supply
24A331	Kit, Packing Assembly
24A330	Kit, Packing Rod
24A338	Kit, Neele, Tip
24A334	Kit, Fluid Tube
24A337	Aluminium Inlet Bracket
24A335	Composite Trigger Kit

PRO Xs™ Gun Fluid Nozzles

197263	Nozzle Fluid 0.75 mm
197264	Nozzle Fluid 1 mm
197265	Nozzle Fluid 1.2 mm
197266	Nozzle Fluid 1.5 mm
197267	Nozzle Fluid 1.8 mm
197268	Nozzle Fluid 2 mm

PRO Xs™ Gun Air Caps

197477	Air Cap Round End
24A376	Air Cap Low Flow
197479	Air Cap Tapered End
197480	Air Cap Large Pattern
24A439	Air Cap 2.0 mm Nozzle Only
24A276	Air Cap PRO Xs™ Waterborne
24A274	Kit, Air Cap, Grey
24A275	Kit, Air Cap, Grey
24A276	Kit, Air Cap, Blue
24A277	Kit, Air Cap, Red
24A278	Kit, Air Cap, Green
24A279	Kit, Air Cap, Grey
24A376	Kit, Air Cap, Grey
24A438	Kit, Air Cap, Grey
24A439	Kit, Air Cap, Grey

PRO Xs™ Gun Repair Kits

244911	Kit Repair, Fluid Seal, Es
244781	Kit Repair, Air Seal, Es
223688	Bearing Repair Kit
244917	Kit Rep., Electrode, Air-Assisted
244834	Swivel Es, Assembly
277007	Needle Electrode

Accessories

PRO Xs™ Gun Round Pattern Kits

256819	Kit, Round Spray Nozzle
256820	Kit, Round Spray Electrode
277851	Kit, Accessories Round Spray

Fluid Hose

215637	Hose, Fluid, Assembly, 14 bar, 7.5 m
215638	Hose, Fluid, Assembly, 14 bar, 15 m
245252	Hose Waterborne, Assembly
240793	BlueMax™ II Hose 1/4" x 7.5 m (Fbe)
240794	BlueMax II Hose 1/4" x 15 m (Fbe)
236134	Fluid Whip Hose, 0.9 m
236135	Fluid Whip Hose, 1.8 m

Grounded Air Hoses - AirFlex™

244963	Coupled Hose, Cond, Air, 180 cm
244964	Coupled Hose, Cond, Air, 4.5 m
244965	Coupled Hose, Cond, Air, 7.5 m
244966	Coupled Hose, Cond, Air, 11 m
244967	Coupled Hose, Cond, Air, 15 m
244968	Coupled Hose, Cond, Air, 23 m
244969	Coupled Hose, Cond, Air, 30.5 m

Grounded Air Hoses - Waterborne

235068	Air Hose 1.8 m
235069	Air Hose 4.5 m
235070	Air Hose 7.5 m
235071	Air Hose 11 m
235072	Air Hose 15 m
235073	Air Hose 23 m
235074	Air Hose 30 m
24A225	Hose, 3/8", 15 m (50 ft), Electrostatic Air Hose
24A226	Hose, 3/8", 23 m (75 ft), Electrostatic Air Hose
185493	3/8" to 5/16" Hose Adapter

Grounded Air Whip Hose

236130	Air Whip Hose (0.9 m)
236131	Air Whip Hose (1.8 m)



Automatic Guns



Models available with a fluid control knob for precision fluid adjustment



Lightweight gun - weighs 680 g



Durable stainless steel construction

Models with PEEK or carbide needle tips

HVLP, compliant and conventional models

QuickDisconnect™ air fittings

Recirculation up to the nozzle for no dead spots

Wide variety of manifolds available

Optional in-line fluid filter



Wood gun models have air caps and nozzles designed specifically for wood finishing applications



High wear models are designed with a carbide needle and nozzle for long life with abrasive materials

Introduction



Automatic HVLP, Conventional and Compliant Spray Guns AirPro™ Automatic

Advanced spraying technology for metal, wood and high wear applications

- Wide standard product offering with compliant gun models, in addition to HVLP and conventional
- Models available with a fluid control knob
- Stainless steel construction handles the toughest coatings, from acid to waterborne
- Indexing air cap provides fast and accurate positioning in either the vertical or horizontal position
- Lightweight and compact rounded gun design
- Consistent spray pattern for a high quality finish

AUTOMATIC GUNS • AirPro™

Ordering Information

High Wear Applications

Gun Assembly Part Number	Spray Type	Orifice Size in (mm)	Material Viscosity	Flow l/min (oz/min)	Air Cap Part Number	Needle/Nozzle Kit Part Number
24A774	Conventional	0.059 (1.5)	medium	12–18 (0.36-0.54)	24B537	24A693
24A775	Conventional	0.070 (1.8)	medium-heavy	16–20 (0.48-0.60)	24B536	24A694
24B336	Conventional	0.086 (2.2)	heavy	>20 (>0.60)	24B536	24B358
24A776	HVLP	0.059 (1.5)	medium	12–18 (0.36-0.54)	24B541	24A695
24A777	HVLP	0.070 (1.8)	medium-heavy	16–20 (0.48-0.60)	24B542	24A696
24A778	Conventional	0.059 (1.5)	medium	12–18 (0.36-0.54)	24B538	24A695
24A779	Conventional	0.070 (1.8)	medium-heavy	16–20 (0.48-0.60)	24B543	24A696

Needle tip and nozzle exit constructed from tungsten carbide.

Wood Applications

Gun Assembly Part Number	Spray Type	Orifice Size in (mm)	Material Viscosity	Flow l/min (oz/min)	Air Cap Part Number	Needle/Nozzle Kit Part Number
24A768	Conventional	0.030 (0.8)	light	4–10 (0.12-0.30)	24B533	24A691
24A769	Conventional	0.040 (1.0)	light -medium	8–14 (0.24-0.42)	24B533	24A692
24A770	HVLP	0.030 (0.8)	light	4–10 (0.12-0.30)	24B535	24A691
24A771	HVLP	0.040 (1.0)	light-medium	8–14 (0.24-0.42)	24B535	24A692
24A772	Conventional	0.030 (0.8)	light	4–10 (0.12-0.30)	24B534	24A691
24A773	Conventional	0.040 (1.0)	light-medium	8–14 (0.24-0.42)	24B534	24A692

Technical Specifications

Maximum Working Fluid Pressure	7 bar (0.7 MPa, 100 psi)
Maximum Working Air Pressure	7 bar (0.7 MPa, 100 psi)
Minimum Air Cylinder Actuation Pressure	3.4 bar (0.34 MPa, 50 psi)
Maximum Working Fluid Temperature	49°C (120° F)
Weight	680 g (1.5 lb)
Gun and Manifold Weight	907 g (2.0 lb)
Atomizing Air	3/8 in OD tube
Fan Air	3/8 in OD tube
Cylinder Air	1/4 in OD tube
Fluid Inlet	1/4 in npsm
Wetted Parts	stainless steel, UHMWPE, acetal, PTFE, PEEK
Dimensions (excluding fittings)	5.3 in L x 3.0 in H x 2.0 in W
.....	(135 mm L x 76 mm H x 51 mm W)
Length with Fluid Knob	163 mm (6.4 in)

Instruction Manual 313516

Accessories

Manifolds

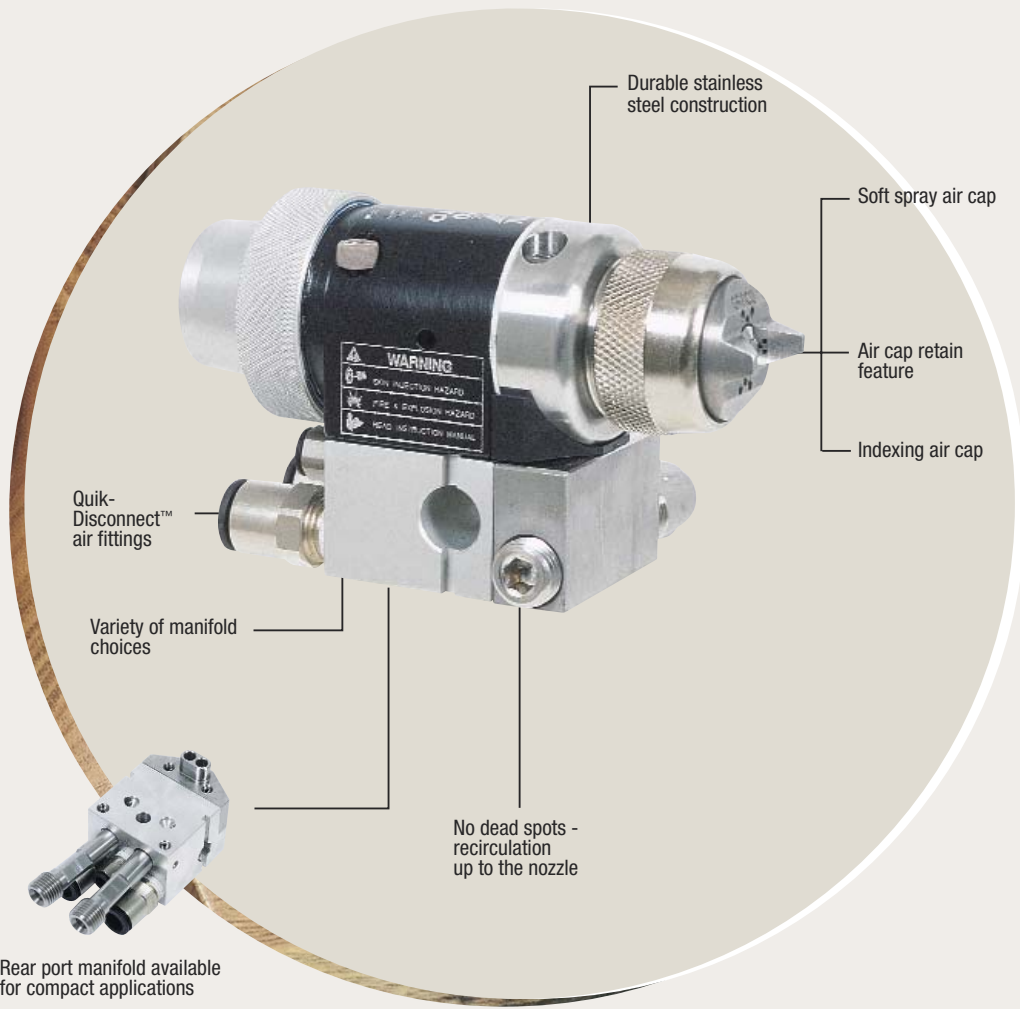
- 288221** Manifold with bottom fluid ports
- 288217** Manifold with side fluid ports
- 288223** Manifold with manual fan control with side fluid ports
- 288160** Rear port manifold
Rear exit fluid fitting manifold. Designed for robotic or compact applications
- 288197** Manifold adapter plate
Allows the manifold to be attached to a variety of bolt patterns

Other

- 288091** Fluid Control Knob
Replaces the piston cap for precision fluid adjustment
- 24B609** Gun Mounting Bracket Kit
Includes bracket and screw
- 24B707** Inline Fluid Filter
Removable inline filter without disconnecting the fluid line

Stainless Steel Air Caps

Gun Type	Nozzle Orifice in (mm)	Air cap with locating pin	Air cap without locating pin
Conventional	0.020-0.055 (0.5-1.4)	24B667	24B671
Conventional	0.070 (1.8)	24B668	24B672
HVLP	0.020-0.070 (0.5-1.8)	24B665	24B669
Compliant	0.020-0.070 (0.5-1.8)	24B666	24B670



Durable stainless steel construction

Soft spray air cap

Air cap retain feature

Indexing air cap

Quik-Disconnect™ air fittings

Variety of manifold choices

No dead spots - recirculation up to the nozzle

Rear port manifold available for compact applications

Automatic Air-Assisted Spray Guns AA Series G40™ Automatic

Quality finishes and higher production speeds for wood and general metal finishing applications

Features and Benefits

- Extremely lightweight gun, only 545 gram
- Enhanced spray tip for uniform atomization and superior finish quality
- AAP precision tips allow for a tighter pattern width and position accuracy
- Increased transfer efficiency resulting from lower fluid and air pressure
- Fewer parts means an overall lower cost of repair
- The indexing air cap provides fast and accurate positioning in either the vertical or horizontal position



Ordering Information

Part

Number	Description	
288046	Standard Gun	Includes carbide needle/ball and carbide diffuser seat. AAP precision spray tip of choice is specified when ordered.
288044	Acid Catalyst Gun	Specially designed to handle low viscosity, non-abrasive or acid-catalyzed materials. Includes a stainless steel needle/ball and an acetal seat. AAP precision spray tip of choice is specified when ordered.
288053	Reverse-A-Clean® (RAC) Gun	Designed with a RAC spray tip to reduce downtime caused by frequent tip clogging. Includes a carbide needle and seat, tip guard air cap and a choice of LTX or FFA spray tips. Manifolds (A manifold is required for each gun installation)
288221	Manifold with bottom fluid ports	
288217	Manifold with side fluid ports	
288224	Manifold with manual fan control	With side fluid ports
288160	Rear Port Manifold	Rear exit fluid fitting manifold. Designed for robotic or compact applications
288197	Manifold Adapter	Plate allows the manifold to be attached to a variety of bolt patterns

Technical Specifications

Maximum Fluid Pressure	276 bar (27.6 MPa, 4000 psi)
Maximum Working Air Pressure	7 bar (0.7 MPa, 100 psi)
Max. Cylinder Air Pressure	7 bar (0.7 MPa, 100 psi)
Minimum Actuating Pressure	3.5 bar (0.3 MPa, 50 psi)
Triggering Speed	60 msec (fully open or closed)
Maximum Working Fluid Temperature	49°C (120°F)
Wetted Parts	SST, Carbide, UHMWPE, Acetal, Polyethylene, Chemically resistant Fluoroelastomer, PTFE, Polyimide
Gun Weight	545 g (1.2 lb)
Gun and Manifold Weight	770 g (1.7 lb)

Air Inlet

Atomizing Air	3/8 in OD tube
Fan Air	3/8 in OD tube
Cylinder Air	1/4 in OD tube
Fluid Inlet	1/4 in npsm
Dimensions (excluding fittings)	135 mm L x 76 mm H x 51 mm W (5.3 in L x 3.0 in H x 2.0 in W)

Instruction Manual

311052



Accessories

- 249140** HVLP Verification Kit
Use to check air cap air pressure at various air supply air pressures
Do not use for actual spraying
- 249598** Unclogging Needle Kit
Kit includes picks for unclogging gun tip
- 15C161** Ultimate Gun Cleaning Kit
Kit includes brushes and tools for gun maintenance
- 249424** Acetal Seat Repair Kit
Kit includes replacement, acetal seat (pack of 10) and seat nut
- 249456** Carbide Seat Repair Kit
Kit includes carbide seat, seat nut and seat gasket
- 287962** SST Seat Repair Kit
Kit includes assembled diffuse with SST seat
for use with pigmented acid catalyst material
- 253032** Aircap Seal Kit
Pack of 5 seals and 5 o-rings for the air cap assembly
- 248936** RAC Acetal Gasket
Pack of five plastic (acetal) replacement RAC gaskets
- 287917** RAC Conversion Kit
Converts a gun from a standard air cap and AAP spray tip
to a RAC air cap and LTX spray tip



Introduction



Automatic Airless Spray Guns AL Automatic

Features And Benefits

- Lightweight and compact rounded gun design
- Capable of handling high production speeds
- Durable stainless steel construction handles the toughest materials
- Fewer parts means an overall lower cost of repair
- Wide tip range for a variety of applications



Ordering Information



AUTOMATIC GUNS • AL

Part

Number	Description
288048	Airless Gun Includes GG0 precision spray tip of choice and internal filter manifold (required for gun installation)
241161	Standard 1/4" npsm inlets
244930	High flow ambient manifold

Technical Specifications

Maximum Fluid Pressure	276 bar (27.6 MPa, 4000 psi)
Maximum Working Air Pressure	7 bar (0.7 MPa, 100 psi)
Maximum Cylinder Air Pressure	7 bar (0.7 MPa, 100 psi)
Minimum Air Cylinder Actuating Pressure	4.9 bar (0.5 MPa, 70 psi)
Maximum Working Fluid Temperature	60°C (140°F)
Triggering Speed	50-70 msec (fully open or closed)
Wetted Parts	Stainless Steel, Carbide, UHMWPE, Acetal, PEEK, PTFE
Gun Weight	545 g (1.2 lb)
Dimensions	135 mm L x 76 mm H x 51 mm W (5.2 in L x 3.0 in H x 2.0 in W)

Instruction Manual

Instruction Manual	311053
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Accessories

288171	Air Seal Repair Kit
239896	Fluid Seal Repair Kit
210500	In-Line Fluid Filter



Introduction

Automatic Electrostatic Guns PRO Auto™ Xs

PRO Auto Xs guns offer excellent material savings, with the added benefit of easy modular installation.

Features And Benefits

- Air Spray model - Available for standard, high conductivity or waterborne coatings
- Air-Assisted model – Available for standard coatings
- Superb finish quality
- Easy installation with AP2 air-powered design
- Modular manifold design for quick service
- With connecting gun to a display via fibre optic cable, guns voltage/current output can be indicated



Ordering information

Part

Number	Description
244589	PRO Auto Xs for Standard Coatings Includes gun shroud, mounting bracket, gun manifold and gun with 1.5 mm fluid nozzle and 197477 air cap. Grounded air hose must be ordered separately.
244590	PRO Auto Xs for High Conductivity Coatings Includes gun shroud, mounting bracket, gun manifold and gun with 1.5 mm fluid nozzle and 197477 air cap. Grounded air hose must be ordered separately.
244591	PRO Auto Xs for Waterborne Coatings Includes gun shroud, mounting bracket, gun manifold and gun with 1.5 mm fluid nozzle and 197477 air cap. Waterborne fluid hose must be ordered separately (includes fluid tube and gun fittings). Grounded air hose must be ordered separately.
244592	PRO Auto Xs AA Includes gun, shroud, mounting brackets, gun manifold and gun with tip of choice. Grounded air hose must be ordered separately.

Ordering Information

Technical Specifications

Maximum Fluid Working Pressure	PRO Auto Xs: 7 bar (0.7 MPa, 100 psi)
.....	PRO Auto Xs AA: 207 bar (20.7 MPa, 3000 psi)
Max. Working Air Pressure	7 bar (0.7 MPa, 100 psi)
Gun Weight	1.60 kg (3.52 lb)
Gun Length	31.1 cm (12.25 in.)
Max. Voltage Output	85 kV
Air Inlet (fittings are included with gun)	
Atomizing Air	5/32 in. OD Nylon Tube
Fan Air	PRO Auto Xs: 5/32 in. OD Nylon Tube
.....	PRO Auto Xs AA: N/A
Cylinder Pilot	1/4 in. OD Nylon Tube
Hi-lo Voltage Selector	1/4 in. OD Nylon Tube
Turbine Air	1/4 npsm (l.h.) 1/4 npsm (l.h.)
Fluid Inlet	PRO Auto Xs: 1/4-18.6 npsm(m)
.....	PRO Auto Xs AA: 1/4-18 npsm
Wetted Parts	PRO Auto Xs: SST, Nylon, PEEK, UHMWPE, Acetal
.....	PRO Auto Xs AA: SST, Nylon, PEEK, UHMWPE, Carbide, Acetal

Instruction Manual

.....	PRO Auto Xs: 309297
.....	PRO Auto Xs AA: 309298

Accessories

224117 E/S Display Module

Receives fibre optic transmission from the PRO Auto Xs gun and displays the gun's output voltage and current. Mounts in a standard 19 in. DIN rack. Refer to Instruction Manual 308265.

Fibre Optic Cable Assembly

For connection between gun manifold and display module or between bulkhead connector and display module. Use only with 224117 display. See Instruction Manual 308265.

224682 7.6 m (25 ft.)

235301 Power Supply

Used to supply low voltage DC power to 224117 E/S Display Module. Refer to Instruction Manual 308265.

189762 Remote Voltage Display

Battery-operated meter displays actual spraying voltage. Remote mount outside hazardous area. Connects to gun via fibre optic cable. Refer to Instruction Manual 308265.

Fibre Optic Cable Assembly

For connection between gun manifold and display module (189762) or between gun manifold and bulkhead connector. Refer to Instruction Manual 308265.

224674 15 m (50 ft.)

224676 30.5 m (100 ft.)

kV Display Kit

236917 with 7.6 m (25 ft.) fibre optic cable

236919 with 15 m (50 ft.) fibre optic cable

236921 with 30.5 m (100 ft.) fibre optic cable

Includes remote voltage display (189762)

236853 Dump Valve

Mounts directly to manifold for faster flushing and colour changes.

236854 Fluid Regulator

Air-piloted fluid regulator mounts at manifold for precise fluid control.

245324 PRO Auto Xs High Conductivity Conversion Kit

For converting a PRO Auto Xs standard coating gun to a high conductivity PRO Auto Xs spray gun.

TEST EQUIPMENT

Paint Resistivity Meter (used together)

722886 Meter

722860 Probe

236003 High Voltage Probe and Meter

Complete assembly includes high voltage probe, meter and ground wire.

241079 Megohmmeter

Used to check gun resistance and part grounding.

245277 Test Equipment Kit

Includes 236003 High Voltage Probe, 245278 PRO Xs Cartridge and Alternator. Test Fixture, 189351 Alignment Sleeve, carrying case and instruction manual.



Pressure Pots

Entry Level Solution
for Small Applications



PRESSURE POTS

Ordering Information

Part Number	Description
236155	7.6 l (2 gallon), SST Pressure Tank Low Pressure
236156	7.6 l (2 gallon), SST Pressure Tank Low Pressure, with Agitator
236157	7.6 l (2 gallon), SST Pressure Tank High Pressure
236158	7.6 l (2 gallon), SST Pressure Tank High Pressure, with Agitator
236143	19 l (5 gallon), SST Pressure Tank Low Pressure
236146	19 l (5 gallon), SST Pressure Tank Low Pressure, with Agitator
236149	19 l (5 gallon), SST Pressure Tank High Pressure
236152	19 l (5 gallon), SST Pressure Tank High Pressure, with Agitator
236144	38 l (10 gallon), SST Pressure Tank, Low Pressure
236147	38 l (10 gallon), SST Pressure Tank, Low Pressure, with Agitator
236150	38 l (10 gallon), SST Pressure Tank, High Pressure
243589	38 l (10 gallon), SST Pressure Tank, High Pressure, no Regulator
236153	38 l (10 gallon), SST Pressure Tank, High Pressure, with Agitator
236145	57 l (15 gallon), SST Pressure Tank, Low Pressure
236148	57 l (15 gallon), SST Pressure Tank, Low Pressure, with Agitator
236151	57 l (15 gallon), SST Pressure Tank, High Pressure
236154	57 l (15 gallon), SST Pressure Tank, High Pressure, with Agitator
171226	9.5 l (2 1/2 gallon), Aluminum, Pressure Pot
223833	9.5 l (2 1/2 gallon), Aluminum, Pressure Pot with Dual Regulator
248224	9.5 l (2 1/2 gallon), Aluminum, Pressure Pot
248225	18.9 l (5 gallon), Aluminum, Pressure Pot
239801	Pressure Cup 0.95 l (1qt)
239802	Pressure Cup 0.95 l (1qt), Single Regulator
239803	Pressure Cup 0.95 l (1qt), Dual Regulator
239804	Pressure Cup 0.95 l (1qt), Remote Assembly with Hoses
233498	Hose Set, Bundled
233499	Hose Set, Bundled Stainless Steel Couplings

Technical Specifications

Actual Tank Capacities	33 l: 5 gallon size (8.8 U.S. gal)
.....	48 l: 10 gallon size (12.6 U.S. gal)
.....	72 l: 15 gallon size (19.3 U.S. gal)
Maximum Working Pressure	
Low Pressure Regulated Tank	1 bar (0.1 MPa, 15 psi)
High Pressure Regulated Tank	7 bar (0.7 MPa, 100 psi)
Relief Valve Setting	7 bar (0.7 MPa, 100 psi)
Standard Agitator Air Consumption	
(continuous duty)	15 cfm (0.42 m ³ /min) at 60 rpm and 5 bar (0.5 MPa, 80 psi) Air Supply Pressure
Air Inlet Size	1/4–18 npt(m)
Fluid Outlet Size	3/8–18 npsm(m)
Bottom Outlet Size	3/4–14 npt(f)
Wetted Parts	
Models without Agitator	304 & 316 Stainless Steel, Santoprene, Thermoplastic polyamide and PET
Models with Agitator	304 & 316 Stainless Steel, Santoprene, Thermoplastic polyamide, PET and Bronze
* Sound Power Level at 7 bar (0.7 MPa, 100 psi): 92 dBa	
* Sound Pressure Level at 7 bar (0.7 MPa, 100 psi): 82 dBa	
* Sound Power Level and Sound Pressure Level measured per ISO 9614–2	

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Advanced Elastomer Systems, L.P.

Instruction Manual

Pressure Pot Instruction Manual	308369
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Accessories

15D058	Polyethylene Tank Liners for 7.6 l (2 gallon) Tanks (20 Pcs)
15D059	Polyethylene Tank Liners for 19 l (5 gallon) Tanks (20 Pcs)
15D060	Polyethylene Tank Liners for 38 l (10 gallon) Tanks (20 Pcs)
15D061	Polyethylene Tank Liners for 57 l (15 gallon) Tanks (8 Pcs)
117572	Lid Gasket Standard Thiokol for 7.6 l (2 gallon) Tanks
117575	Lid Gasket PTFE Coated for 7.6 l (2 gallon) Tanks
117571	Lid Gasket Standard Thiokol for 19 l - 38 l - 57 l (5-10-15 gallon) Tanks
117574	Lid Gasket PTFE Coated for 19 l - 38 l - 57 l (5-10-15 gallon) Tanks
111380	C-Clamp Replacement Kit for 7.6 l (2 gallon) Tanks
111381	C-Clamp Replacement Kit for 19 l - 38 l - 57 l (5-10-15 gallon) Tanks





Finex™ Spray Package

Affordable Spray
Package for High
Quality Finishing



Units



Affordable Spray Package for High Quality Finishing

- High quality spray performance
- Low pulsation output due to fluid regulator
- Equipped with the new Finex™ pressure feed gun
- Small and lightweight package easy to transport
- Designed for custom wood and metal applications



Ordering Information

Ordering Information Packages & Guns

Part Number	Package	Gun Part Number	Needle/Nozzle Size - mm (In)
289353	Finex Airspray Package with Conventional Finex Gun	289249	1.4 (0.055)
289354	Finex Airspray Package with HVLP Finex Gun	289254	1.4 (0.055)

Technical Specifications

Technical Data Spray Package

Maximum Fluid Working Pressure	7 bar (0.7 MPa, 100 psi)
Maximum Air Inlet Pressure	7 bar (0.7 MPa, 100 psi)
Operating Temperature Range	4.4°-43° C (40-109 F)
Package Weight	9.0 kg (19.8 lbs)
Wetted Parts	
Pump	Acetal, PTFE, SST
Gun	Aluminium, SST, Engineered plastic
Other	Nylon

Technical Data Spray Gun

Maximum Air Inlet Pressure	7 bar (0.7 MPa, 100 psi)
Maximum Fluid Working Pressure	7 bar (0.7 MPa, 100 psi)
Maximum HVLP Inbound Air Pressure	1.7 bar (0.17 MPa, 24 psi)*
Air Consumption	
HVLP Pressure.....	334 lpm at 1.7 bar (0.17 MPa, 24 psi)
Conventional Pressure.....	311 lpm at 3.4 bar (0.34 MPa, 50 psi)
Fluid and Air Operating Temperature Range	0-43° C (32-109°F)
Noise data**	
Conventional Feed Pressure	
Sound Pressure at 3.4 bar (0.34 MPa, 50 psi)	83.49 dB(A)
Sound Power at 3.4 bar (0.34 MPa, 50 psi)	90.70 dB(A)
HVLP Pressure Feed	
Sound Pressure at 1.7 bar (0.17 MPa, 24 psi)	81.96 dB(A)
Sound Pressure at 1.7 bar (0.17 MPa, 24 psi)	88.88 dB(A)

Instruction Manual

Finex Airspray Sprayer Pacakage	312473
Manual Husky Pumps	308553
Finex Gun	312388
Fluid Pressure Regulators	308325

* Produces 0.7 bar (0.07 MPa, 10 psi) spraying pressure at air cap.

Accessories

Suction Hoses

- 245082** Aluminum, 1.2 m (4 ft), for 18.9 l (5 gal) pail
245083 Stainless Steel, 1.2 m (4 ft), for 18.9 l (5 gal) pail

Fluid Regulators

- 241976** Fluid Regulator, Acetal, 0-2 bar (0-0.2 MPa, 0-30 psi)
236450 Fluid Regulator, Acetal, 0-7 bar (0-0.7 MPa, 0-100 psi)
214706 Fluid Regulator, Stainless Steel, 0-7 bar (0-0.7 MPa, 0-100 psi)

Gun Inlet Fluid Filters

Attaches between hose and gun inlet to prevent particles from contaminating sprayed surface

- 915921** Gun Inlet Filter, Stainless Steel, 100 mesh (150 micron), 3/8 npsm (m x f), 35 bar (3.5 MPa, 500 psi)
238564 Replacement Screen Elements, 25 Count, 60 mesh (250 micron), Stainless Steel
238562 Replacement Screen Elements, 25 Count, 100 mesh (150 micron), Stainless Steel

Pump Outlet Fluid Filters

Filters attach to the outlet of the Husky™ pump

- 114361** Fluid Filter, Nylon, 80 mesh, 3/8 npt(fbe), 10 bar (1 MPa, 150 psi)
235677 Fluid Filter, Aluminum, 60 mesh (250 micron), 1/4 npsm(f) inlet x 1/4 npsm(m) outlet, 207 bar (21 MPa, 3000 psi)
223160 Fluid Filter, Stainless Steel, 60 mesh (250 micron), 3/8 npt(f) inlet x 1/4 npt(m) outlet, 350 bar (35 MPa, 5000 psi)

Bundled Hoses

- 289522** Air/Fluid Hose, 7.6 m (25 ft), Stainless Steel couplings

Pump Repair Kits

- D03-xxx** Husky Repair Kit

Gun Repair Kits

- 288891** Needle Packing Kit







Triton™

**High Quality Finish
Spray Packages for
Wood Applications**

TRITON

High-flow air regulators
• Supplies up to 35% extra air flow to gun for superior atomization

Triton™ packages
• Available with general metal, wood or waterborne AirPro guns

Durable metal Triton™ pump
• Provides low maintenance and long life

AirPro™ or PRO Xs™ spray gun
• Superior finish quality for conventional, HVLV, compliant or electrostatic applications

Easy-to-use circulation
• Valve saves material and time during flushing, priming and colour changes

Low pulsation Triton™ pump
• Delivers a consistent spray pattern and uniform film thickness

Heavy-Duty suction performance
• Sprays a wide variety of material viscosities

Flexible, lightweight air hose
• Reduces operator fatigue

Introduction

Finally ... a Spray Package specifically designed for the Finishing Market

Triton™ is an air-operated diaphragm spray package that applies a high quality, decorative finish to wood and metal parts. Triton™ is a more effective alternative to traditional pressure pots and standard diaphragm pumps.

High Quality Finish

Low pulsation output and smooth pump change over deliver a consistent spray pattern.

Easy-to-use

Quick colour changes and fast material refills save time and money.

Rugged Construction

Stainless steel or aluminum pump handles a wide variety of fluids.

Spraying stains, sealers, lacquers and top coats for:

- Wood Furniture and Cabinetry
- Wood, Windows and Doors
- Customized Wood



TRITON

Ordering information

Part Number	Description			
233480	Triton Sprayer	Aluminum	Cart-Mount	Bare
233481	Triton Sprayer	SST	Cart-Mount	Bare
233482	Triton Sprayer	Aluminum	Cart-Mount	Conventional
233483	Triton Sprayer	SST	Cart-Mount	Conventional
233484	Triton Sprayer	Aluminum	Cart-Mount	HVLP
233485	Triton Sprayer	SST	Cart-Mount	HVLP
234915	Triton Sprayer	Aluminum	Cart Mount	Compliant
234916	Triton Sprayer	SST	Cart-Mount	Compliant
233746	Triton Sprayer	Aluminum	Cart-Mount	PRO Xs 2
233747	Triton Sprayer	Aluminum	Cart-Mount	PRO Xs 3

Technical Specifications

Maximum Fluid Working Pressure	7 bar (0.7 MPa, 100 psi)
Maximum Air Input Pressure	7 bar (0.7 MPa, 100 psi)
Maximum Fluid Flow (Pump at 212 cpm)	32 lpm (8.5 gpm)
Pump Displacement	160 cc/cycle (5 oz/cycle)
Air Inlet Fitting	1/4 npt(f)
Acetal Fluid Regulator Outlet Fitting	3/8 npt(m)
Stainless Steel Fluid Regulator Outlet Fitting	3/8 npsm(m)
Pump Inlet	3/4 npt(f)
Pump Outlet	3/8 npt(f)
Fluid Outlet Fitting	3/8 npt(m)
Average Air Consumption	
Conventional Compliant HVLP Electrostatic	
Gun:	396 lpm Gun: 339 lpm Gun: 420 lpm Gun: 566 lpm
Pump:	42 lpm Pump: 42 lpm Pump: 42 lpm Pump: 42 lpm
Total:	438 lpm Total: 381 lpm Total: 462 lpm Total: 608 lpm
Sound data*	
Sound Pressure Level at 2.8 bar (0.28 MPa, 40 psi)	69 dBA
Sound Power Level at 2.8 bar (0.28 MPa, 40 psi)	81 dBA
*Sound Pressure measured one meter from unit. Sound Power measured per ISO standard 3744.	
Sound Data is for TRITON Pump only, without Spray Gun. Refer to the Spray Gun Instruction Manual for Gun Sound Data.	
Weight	
18.9 l (5 gal) Pail Package (Aluminum/SST)	10 kg (22 lb)/12.7 kg (28 lb)
Stand Package (Aluminum/SST)	9.1 kg (20 lb)/12.3 kg (27 lb)
Cart Package (Aluminum/SST)	13.6 kg (30 lb)/16.4 kg (36 lb)
Wall Mount Package (Aluminum/SST)	8.6 kg (19 lb)/10.9 kg (24 lb)

Instruction Manual

Pump Instruction and Part Manual	309303
Spray Package Instruction and Parts Manual	309304
Spray Package Operation Manual	309305
Agitator Kit Instruction Manual	309306

General Spares

- 245065** Repair Kit 095 Diaphragm
- 245066** Air Valve Repair Kit
- 245067** Acetal Ball and SST Seat Repair Kit
- 245068** Diaphragm Shaft Repair Kit
- 210500** Inline Filter (Gun Inlet)
- 238561** Replacement Inlet Filter (205264), 100 Mesh (149 μ) (3 Pcs)
- 238563** Replacement Inlet Filter (205265), 60 Mesh (250 μ) (3 Pcs)
- 236450** Regulator, A/S, SS Gauge
- 111911** Surge Filter Unit - Strainer Line

Accessories

- 114361** Nylon Fluid Filter 80 Mesh (177 μ)
- 235677** Aluminum Fluid Filter 60 Mesh (250 μ)
- 236450** Acetal Fluid Regulator, SST Gauge, 0-7 bar
- 245082** Accessory Kit, Aluminum Suction Tube, for Pail
- 245083** Accessory Kit, Stainless Steel Suction Tube, for Pail
- 244447** Fluid Hose
- 244448** Air Hose
- 233498** Hose Set, Bundled
- 233499** Hose Set, Bundled, Stainless Steel Couplings
- 240425** Hose, PRO Xs Gun, Bundled
- 239631** Air Whip Hose Assembly, 1/4", 1.2 m
- 239622** Fluid Whip Hose Assembly, 3/8", 1.2 m





Merkur™

High Performance
High Quality Finish
Spray Packages



MERKUR

Designed with the User in Mind

Air valve

- Provides smooth and rapid change over

Quick removal coupler

- Allows for easy disassembly of the pump lower from the air motor

Cylinder and displacement rod

- Designed to handle a broad range of coatings

Throat Seal Liquid (TSL™)

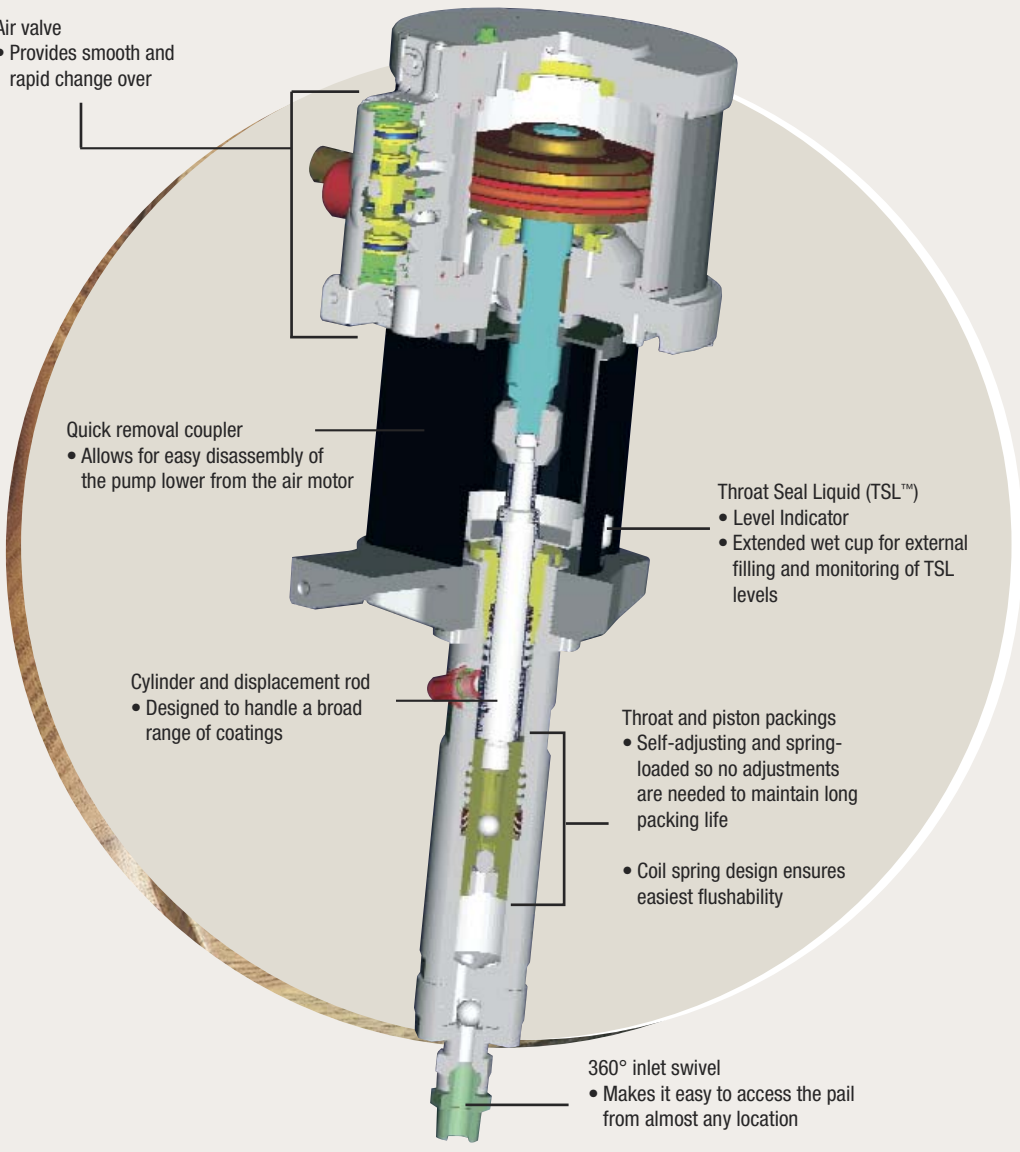
- Level Indicator
- Extended wet cup for external filling and monitoring of TSL levels

Throat and piston packings

- Self-adjusting and spring-loaded so no adjustments are needed to maintain long packing life
- Coil spring design ensures easiest flushability

360° inlet swivel

- Makes it easy to access the pail from almost any location



Introduction

Advanced Technology. Superior Performance.

The new and improved Merkur™ packages are proven to outperform and outlast other pumps in their class. With more models and configurations to choose from, you get the precise pressure and output needed for all of your finishing applications.

Air Motor

- Highest technology air motor on the market
- Low air consumption for increased efficiency
- Muffler provides low operating noise levels
- External valve access allows for easy servicing and online replacement to minimize downtime operator control panel
- Air controls located at operator height for easy setting and monitoring throat seal and rod enclosure
- Protects pumped material and wet cup from contamination but can be easily removed to monitor and service

Units

Pump Lower

- Easy-to-flush design allows for fast colour changes and reduced solvent usage
- 300 Series stainless steel pump construction provides long-lasting durability
- Designed for improved serviceability with fewer parts and lower cost of ownership

Monitor and protect your pump with the market's first integrated local monitoring system!

- Easy to set runaway protection, where you set the cycle rate limit
- Pump diagnostics help advise when to maintain the pump
- Resettable batch counter tracks material usage and maintenance schedule

Ordering Information

Air-Assisted Packages

Merkur 10:1 - 4,5 lpm (1,2 gpm) - 75cc/cycle - Air-Assisted Package

Part

Number	Description
--------	-------------

G10W05	Wall Mount, G15 Gun Carbide Seat, Siphon Hose
G10W06	Wall Mount, DataTrak™, G15 Gun Carbide Seat, Siphon Hose
G10W07	Wall Mount, G15 Gun Carbide Seat, Fluid Filter, Siphon Hose
G10W08	Wall Mount, DataTrak, G15 Gun Carbide Seat, Fluid Filter, Siphon Hose
G10C07	2 Wheel Cart Mount, G15 Gun Carbide Seat, Siphon Hose
G10C08	2 Wheel Cart Mount, DataTrak, G15 Gun Carbide Seat, Siphon Hose
G10C09	2 Wheel Cart Mount, G15 Gun Carbide Seat, Fluid Filter, Siphon Hose
G10C10	2 Wheel Cart Mount, DataTrak, G15 Gun Carbide Seat, Fluid Filter, Siphon Hose
G10C11	2 Wheel Cart Mount, G15 Gun Carbide Seat, Hopper (5 liter)
G10C13	2 Wheel Cart Mount, G15 Gun Carbide Seat, Fluid Filter, Hopper (5 liter)

Merkur 15:1 - 1,5 lpm (0,39 gpm) - 25cc/cycle - Air-Assisted Package

Part

Number	Description
--------	-------------

G15W05	Wall Mount, G15 Gun Carbide Seat, Siphon Hose
G15W06	Wall Mount, DataTrak - Cycle Count Only, G15 Gun Carbide Seat, Siphon Hose
G15W07	Wall Mount, G15 Gun Carbide Seat, Fluid Filter, Siphon Hose
G15W08	Wall Mount, DataTrak - Cycle Count Only, G15 Gun Carbide Seat, Fluid Filter, Siphon Hose
G15C07	2 Wheel Cart Mount, G15 Gun Carbide Seat, Siphon Hose
G15C08	2 Wheel Cart Mount, DataTrak - Cycle Count Only, G15 Gun Carbide Seat, Siphon Hose
G15C09	2 Wheel Cart Mount, G15 Gun Carbide Seat, Fluid Filter, Siphon Hose
G15C10	2 Wheel Cart Mount, DataTrak - Cycle Count Only, G15 Gun Carbide Seat, Fluid Filter, Siphon Hose
G15C11	2 Wheel Cart Mount, G15 Gun Carbide Seat, Hopper (5 liter)
G15C12	2 Wheel Cart Mount, DataTrak - Cycle Count Only, G15 Gun Carbide Seat, Hopper (5 liter)
G15C13	2 Wheel Cart Mount, G15 Gun Carbide Seat, Fluid Filter, Hopper (5 liter)
G15C14	2 Wheel Cart Mount, DataTrak - Cycle Count Only, G15 Gun Carbide Seat, Fluid Filter, Hopper (5 liter)
G15T03	Stand Mount, G15 Gun Carbide Seat, Siphon Hose
G15T04	Stand Mount, DataTrak - Cycle Count Only, G15 Gun Carbide Seat, Siphon Hose
G15T05	Stand Mount, G15 Gun Carbide Seat, Hopper (5 liter)

Merkur 15:1 - 3 lpm (0.75 gpm) - 50cc/cycle - Air-Assisted Package

Part

Number Description

G15W25	Wall Mount, G15 Gun Carbide Seat, Siphon Hose
G15W26	Wall Mount, DataTrak, G15 Gun Carbide Seat, Siphon Hose
G15W27	Wall Mount, G15 Gun Carbide Seat, Fluid Filter, Siphon Hose
G15W28	Wall Mount, DataTrak, G15 Gun Carbide Seat, Fluid Filter, Siphon Hose
G15C27	2 Wheel Cart Mount, G15 Gun Carbide Seat, Siphon Hose
G15C28	2 Wheel Cart Mount, DataTrak, G15 Gun Carbide Seat, Siphon Hose
G15C29	2 Wheel Cart Mount, G15 Gun Carbide Seat, Fluid Filter, Siphon Hose
G15C30	2 Wheel Cart Mount, DataTrak, G15 Gun Carbide Seat, Fluid Filter, Siphon Hose
G15C31	2 Wheel Cart Mount, G15 Gun Carbide Seat, Hopper (5 liter)
G15C33	2 Wheel Cart Mount, G15 Gun Carbide Seat, Fluid Filter, Hopper (5 liter)
G15T13	Stand Mount, G15 Gun Carbide Seat, Siphon Hose
G15T14	Stand Mount, DataTrak, G15 Gun Carbide Seat, Siphon Hose
G15T15	Stand Mount, G15 Gun Carbide Seat, Hopper (5 liter)

Merkur 15:1 - 9 lpm (2,34 gpm) - 150cc/cycle - Air-Assisted Package

Part

Number Description

G15W55	Wall Mount, G15 Gun Carbide Seat, Fluid Filter, Siphon Hose
G15W56	Wall Mount, DataTrak, G15 Gun Carbide Seat, Fluid Filter, Siphon Hose
G15C83	2 Wheel Cart Mount, G15 Gun Carbide Seat, Fluid Filter, Siphon Hose
G15C84	2 Wheel Cart Mount, DataTrak, G15 Gun Carbide Seat, Fluid Filter, Siphon Hose

Merkur 18:1 - 7.5 lpm (1.98 gpm) - 125cc/cycle - Air-Assisted Package

Part

Number Description

G18W07	Wall Mount, G40 Gun, Fluid Filter, Siphon Hose
G18W08	Wall Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose
G18W09	Wall Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G18W10	Wall Mount, DataTrak, G40 RAC Gun, Fluid Filter, Siphon Hose
G18C05	2 Wheel Cart Mount, G40 Gun, Fluid Filter, Siphon Hose
G18C06	2 Wheel Cart Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose
G18C07	2 Wheel Cart Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G18C08	2 Wheel Cart Mount, DataTrak, G40 RAC Gun, Fluid Filter, Siphon Hose

Ordering Information

Merkur 23:1 - 6 lpm (1.56 gpm) - 100cc/cycle - Air-Assisted Package

Part

Number	Description
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G23W09	Wall Mount, G40 Gun, Fluid Filter, Siphon Hose
G23W10	Wall Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose
G23W11	Wall Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G23W12	Wall Mount, DataTrak, G40 RAC Gun, Fluid Filter, Siphon Hose
G23C07	2 Wheel Cart Mount, G40 Gun, Hopper (5 liter)
G23C11	2 Wheel Cart Mount, G40 Gun, Fluid Filter, Hopper (5 liter)
G23C09	2 Wheel Cart Mount, G40 Gun, Fluid Filter, Siphon Hose
G23C12	2 Wheel Cart Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose
G23C13	2 Wheel Cart Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G23C14	2 Wheel Cart Mount, DataTrak, G40 RAC Gun, Fluid Filter, Siphon Hose

Merkur 24:1 - 9 lpm (2.34 gpm) - 150cc/cycle - Air-Assisted Package

Part

Number	Description
---------------	--------------------

G24W07	Wall Mount, G40 Gun, Fluid Filter, Siphon Hose
G24W08	Wall Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose
G24W09	Wall Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G24W10	Wall Mount, DataTrak, G40 RAC Gun, Fluid Filter, Siphon Hose
G24C09	2 Wheel Cart Mount, G40 Gun, Fluid Filter, Siphon Hose
G24C10	2 Wheel Cart Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose
G24C11	2 Wheel Cart Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G24C12	2 Wheel Cart Mount, DataTrak, G40 RAC Gun, Fluid Filter, Siphon Hose

Merkur 28:1 - 7.5 lpm (29 gpm) - 125cc/cycle - Air-Assisted Package

Part

Number	Description
---------------	--------------------

G28W11	Wall Mount, G40 Gun, Fluid Filter, Siphon Hose
G28W12	Wall Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose
G28W13	Wall Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G28W14	Wall Mount, DataTrak, G40 RAC Gun, Fluid Filter, Siphon Hose
G28W17	Wall Mount, G40 Gun, Fluid Filter, Siphon Hose, Heated Package, Heater Voltage 120 V
G28W18	Wall Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose, Heated Package, Heater Voltage 120 V
G28C09	2 Wheel Cart Mount, G40 Gun, Fluid Filter, Siphon Hose
G28C10	2 Wheel Cart Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose
G28C11	2 Wheel Cart Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G28C12	2 Wheel Cart Mount, DataTrak, G40 RAC Gun, Fluid Filter, Siphon Hose
G28C15	2 Wheel Cart Mount, G40 Gun, Fluid Filter, Siphon Hose, Heated Package, Heater Voltage 120 V
G28C16	2 Wheel Cart Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose, Heated Package, Heater Voltage 120 V

Merkur 30:1 - 1,5 lpm (0.39 gpm) - 25cc/cycle - Air-Assisted Package

Part

Number Description

G30W13	Wall Mount, G40 Gun, Siphon Hose
G30W14	Wall Mount, DataTrak, G40 Gun, Siphon Hose
G30W15	Wall Mount, G40 Gun, Fluid Filter, Siphon Hose
G30W16	Wall Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose
G30W17	Wall Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G30W18	Wall Mount, DataTrak, G40 RAC Gun, Fluid Filter, Siphon Hose
G30C39	2 Wheel Cart Mount, G40 Gun, Fluid Filter, Siphon Hose
G30C40	2 Wheel Cart Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose
G30C23	2 Wheel Cart Mount, G40 Gun, Hopper (5 liter)
G30C27	2 Wheel Cart Mount, G40 Gun, Fluid Filter, Hopper (5 liter)
G30C25	2 Wheel Cart Mount, G40 Gun, Fluid Filter, Siphon Hose
G30C28	2 Wheel Cart Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose
G30C29	2 Wheel Cart Mount, G40 RAC Gun, Siphon Hose
G30C30	2 Wheel Cart Mount, DataTrak, G40 RAC Gun, Siphon Hose
G30C31	2 Wheel Cart Mount, G40 RAC Gun, Hopper (5 liter)
G30C35	2 Wheel Cart Mount, G40 RAC Gun, Fluid Filter, Hopper (5 liter)
G30C33	2 Wheel Cart Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G30C36	2 Wheel Cart Mount, DataTrak, G40 RAC Gun, Fluid Filter, Siphon Hose
G30T03	Stand Mount, G40 Gun, Siphon Hose
G30T04	Stand Mount, DataTrak, G40 Gun, Siphon Hose
G30T05	Stand Mount, G40 Gun, Fluid Filter, Siphon Hose
G30T06	Stand Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose
G30T09	Stand Mount, G40 Gun, Hopper (5 liter)
G30T07	Stand Mount, G40 RAC Gun, Siphon Hose
G30T10	Stand Mount, DataTrak, G40 RAC Gun, Siphon Hose
G30T11	Stand Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G30T12	Stand Mount, DataTrak, G40 RAC Gun, Fluid Filter, Siphon Hose

Ordering Information

Merkur 30:1 - 4.5 lpm (1.2 gpm) - 75cc/cycle - Air-Assisted Package

Part

Number	Description
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G30W73	Wall Mount, G40 Gun, Fluid Filter, Siphon Hose
G30W74	Wall Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose
G30W75	Wall Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G30W76	Wall Mount, DataTrak, G40 RAC Gun, Fluid Filter, Siphon Hose
G30W79	Wall Mount, G40 Gun, Fluid Filter, Siphon Hose, Heated Package, Heater Voltage 120
G30W80	Wall Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose, Heated Package, Heater Voltage 120
G30C65	2 Wheel Cart Mount, G40 Gun, Hopper (5 liter)
G30C67	2 Wheel Cart Mount, G40 Gun, Fluid Filter, Siphon Hose
G30C70	2 Wheel Cart Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose
G30C71	2 Wheel Cart Mount, G40 RAC Gun, Hopper (5 liter)
G30C73	2 Wheel Cart Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G30C74	2 Wheel Cart Mount, DataTrak, G40 RAC Gun, Fluid Filter, Siphon Hose
G30C77	2 Wheel Cart Mount, G40 Gun, Fluid Filter, Siphon Hose, Heated Package, Heater Voltage 120
G30C78	2 Wheel Cart Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose, Heated Package, Heater Voltage 120

Merkur 36:1 - 6 lpm (1.56 gpm) - 100cc/cycle - Air-Assisted Package

Part

Number	Description
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G36W17	Wall Mount, G40 Gun, Fluid Filter, Siphon Hose
G36W18	Wall Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose
G36W15	Wall Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G36W16	Wall Mount, DataTrak, G40 RAC Gun, Fluid Filter, Siphon Hose
G36C13	2 Wheel Cart Mount, G40 Gun, Fluid Filter, Siphon Hose
G36C14	2 Wheel Cart Mount, DataTrak, G40 Gun, Fluid Filter, Siphon Hose
G36C11	2 Wheel Cart Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G36C12	2 Wheel Cart Mount, DataTrak, G40 RAC Gun, Fluid Filter, Siphon Hose

Merkur 45:1 - 3 lpm (0.78 gpm) - 50cc/cycle - Air-Assisted Package

Part

Number Description

G45W17	Wall Mount, G40 Gun, Fluid Filter with drain valve, Siphon Hose
G45W18	Wall Mount, DataTrak, G40 Gun, Fluid Filter with drain valve, Siphon Hose
G45W15	Wall Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G45W16	Wall Mount, DataTrak, G40 RAC Gun, Fluid Filter, Siphon Hose
G45C19	2 Wheel Cart Mount, G40 Gun, Fluid Filter with drain valve, Siphon Hose
G45C20	2 Wheel Cart Mount, DataTrak, G40 Gun, Fluid Filter with drain valve, Siphon Hose
G45C21	2 Wheel Cart Mount, G40 Gun, Fluid Filter with drain valve, Hopper (5 liters)
G45C17	2 Wheel Cart Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G45C18	2 Wheel Cart Mount, DataTrak, G40 RAC Gun, Fluid Filter, Siphon Hose

Merkur 48:1 - 4.5 lpm (1.29 gpm) - 75cc/cycle - Air-Assisted Package

Part

Number Description

G48W07	Wall Mount, G40 Gun, Fluid Filter with drain valve, Siphon Hose
G48W08	Wall Mount, DataTrak, G40 Gun, Fluid Filter with drain valve, Siphon Hose
G48W15	Wall Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G48W16	Wall Mount, DataTrak, G40 RAC Gun, Fluid Filter, Siphon Hose
G48C07	2 Wheel Cart Mount, G40 Gun, Fluid Filter with drain valve, Siphon Hose
G48C08	2 Wheel Cart Mount, DataTrak, G40 Gun, Fluid Filter with drain valve, Siphon Hose
G48C13	2 Wheel Cart Mount, G40 RAC Gun, Fluid Filter, Siphon Hose
G48C14	2 Wheel Cart Mount, DataTrak, G40 RAC Gun, Fluid Filter,

Airless Packages

Merkur 23:1 - 6 lpm (1.56 gpm) - 100cc/cycle - Airless Package

Part

Number Description

G23W07	Wall Mount, Fluid Filter, Suction Hose
G23W08	Wall Mount, DataTrak, Fluid Filter, Suction Hose
G23C03	2 Wheel Cart Mount, Fluid Filter, Suction Hose
G23C04	2 Wheel Cart Mount, DataTrak, Fluid Filter, Suction Hose

Merkur 24:1 - 9 lpm (2,34 gpm) - 150cc/cycle - Airless Package

Part

Number Description

G24W05	Wall Mount, Fluid Filter, Suction Hose
G24W06	Wall Mount, DataTrak, Fluid Filter, Suction Hose
G24C03	2 Wheel Cart Mount, Fluid Filter, Suction Hose
G24C04	2 Wheel Cart Mount, DataTrak, Fluid Filter, Suction Hose

Ordering Information

Merkur 28:1 - 7.5 lpm (2 gpm) - 125cc/cycle - Airless Package

Part

Number	Description
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G28W05	Wall Mount, Fluid Filter, Suction Hose
G28W06	Wall Mount, DataTrak, Fluid Filter, Suction Hose
G28W07	Wall Mount, Fluid Filter, Suction Hose, Heated Package, Heater Voltage 120
G28W08	Wall Mount, DataTrak, Fluid Filter, Suction Hose, Heated Package, Heater Voltage 120
G28C03	2 Wheel Cart Mount, Fluid Filter, Suction Hose
G28C04	2 Wheel Cart Mount, DataTrak, Fluid Filter, Suction Hose
G28C05	2 Wheel Cart Mount, Fluid Filter, Suction Hose, Heated Package, Heater Voltage 120
G28C06	2 Wheel Cart Mount, DataTrak, Fluid Filter, Suction Hose, Heated Package, Heater Voltage 120

Merkur 36:1 - 6 lpm (1,56 gpm) - 100cc/cycle - Airless Package

Part

Number	Description
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G36C15	2 Wheel Cart Mount, Fluid Filter with drain valve, Suction Hose
G36C16	2 Wheel Cart Mount, DataTrak, Fluid Filter with drain valve, Suction Hose

Merkur 48:1 - 4.5 lpm (1.2 gpm) - 75cc/cycle - Airless Package

Part

Number	Description
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G48C05	2 Wheel Cart Mount, Fluid Filter with drain valve, Suction Hose
G48C06	2 Wheel Cart Mount, DataTrak, Fluid Filter with drain valve, Suction Hose

Electrostatic Packages

Merkur 15:1 - 9 lpm (2.34 gpm) - 150cc/cycle - Electrostatic Package

Part

Number	Description
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G15W57	Wall Mount
G15W58	Wall Mount, DataTrak
G15C85	2 Wheel Cart Mount
G15C86	2 Wheel Cart Mount, DataTrak

Merkur 18:1 - 7.5 lpm (2.9 gpm) - 125cc/cycle - Electrostatic Package

Part

Number	Description
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G18W11	Wall Mount
G18W12	Wall Mount, DataTrak
G18C09	2 Wheel Cart Mount
G18C10	2 Wheel Cart Mount, DataTrak

Merkur 23:1 - 6 lpm (1.56 gpm) - 100cc/cycle - Electrostatic Package

Part

Number	Description
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G23W13	Wall Mount
G23W14	Wall Mount, DataTrak
G23C15	2 Wheel Cart Mount
G23C16	2 Wheel Cart Mount, DataTrak

Merkur 24:1 - 9 lpm (2.34 gpm) - 150cc/cycle - Electrostatic Package

Part

Number	Description
---------------	--------------------

G24W11	Wall Mount
G24W12	Wall Mount, DataTrak
G24C13	2 Wheel Cart Mount
G24C14	2 Wheel Cart Mount, DataTrak

Merkur 28:1 - 7.5 lpm (2 gpm) - 125cc/cycle - Electrostatic Package

Part

Number	Description
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G28W15	Wall Mount
G28W16	Wall Mount, DataTrak
G28W21	Wall Mount, Heated Package, Heater Voltage 120
G28W22	Wall Mount, DataTrak, Heated Package, Heater Voltage 120
G28C13	2 Wheel Cart Mount
G28C14	2 Wheel Cart Mount, DataTrak
G28C19	2 Wheel Cart Mount, Heated Package, Heater Voltage 120
G28C20	2 Wheel Cart Mount, DataTrak, Heated Package, Heater Voltage 120

Merkur 30:1 - 4.5 lpm (1.29 gpm) - 75cc/cycle - Electrostatic Package

Part

Number	Description
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G30W77	Wall Mount
G30W78	Wall Mount, DataTrak
G30W83	Wall Mount, Heated Package, Heater Voltage 120
G30W84	Wall Mount, DataTrak, Heated Package, Heater Voltage 120
G30C75	2 Wheel Cart Mount
G30C76	2 Wheel Cart Mount, DataTrak
G30C81	2 Wheel Cart Mount, Heated Package, Heater Voltage 120
G30C82	2 Wheel Cart Mount, DataTrak, Heated Package, Heater Voltage 120

Ordering Information

Technical Specifications

Pump Ratio	Merkur 10:1	Merkur 15:1	Merkur 15:1	Merkur 15:1	Merkur 18:1	Merkur 23:1	Merkur 24:1
Fluid Flow @ 60 cpm	4.5 lpm (1.2 gpm)	1.5 lpm (0.4 gpm)	3 lpm (0.8 gpm)	9 lpm (2.4 gpm)	7.5 lpm (2 gpm)	6 lpm (1.6 gpm)	9 lpm (2.4 gpm)
Volume per Cycle (cc)	75 cc (2.5 oz)	25 cc (0.8 oz)	50 cc (1.7 oz)	150 cc (5 oz)	125 cc (4 oz)	100 cc (3.4 oz)	150 cc (5 oz)
Maximum Fluid Outlet Pressure	69 bar (1000 psi)	103 bar (1500 psi)	103 bar (1500 psi)	103 bar (1500 psi)	124 bar (1800 psi)	158 bar (2300 psi)	165 bar (2400 psi)
Maximum Air Inlet Pressure	7 bar (100 psi)	7 bar (100 psi)	7 bar (100 psi)	7 bar (100 psi)	7 bar (100 psi)	7 bar (100 psi)	7 bar (100 psi)
Air Consumption @ 7 bar (0.7 MPa - 100 psi) @ 20 cpm	0.25 m ³ /min (6 scfm)	0.17 m ³ /min (3 scfm)	0.25 m ³ /min (6 scfm)	0.48 m ³ /min (17 scfm)	0.48 m ³ /min (17 scfm)	0.48 m ³ /min (17 scfm)	0.74 m ³ /min (26 scfm)
Fluid Inlet Size	3/4 " npt(m)	1/2 " npt(m)	3/4 " npt(m)	1 " npt(m)	1 " npt(m)	3/4 " npt(m)	1 " npt(m)
Fluid Outlet Size	3/8 " npt(m)	3/8 " npt(m)	3/8 " npt(m)	3/4 " npt(m)	1/2 " npt(m)	3/8 " npt(m)	3/4 " npt(m)
Air Inlet (motor)	1/4 " npt(f)	1/4 " npt(f)	1/4 " npt(f)	1/2 " npt(f)	1/2 " npt(f)	1/2 " npt(f)	1/2 " npt(f)
Pump Ratio	Merkur 28:1	Merkur 30:1	Merkur 30:1	Merkur 36:1	Merkur 45:1	Merkur 48:1	
Fluid Flow @ 60 cpm	7.5 lpm (2 gpm)	1.5 lpm (0.4 gpm)	4.5 lpm (1.2 gpm)	6 lpm (1.6 gpm)	3 lpm (0.8 gpm)	4.5 lpm (1.2 gpm)	
Volume per Cycle (cc)	125 cc (4.2 oz)	25 cc (0.8 oz)	75 cc (2.5 oz)	100 cc (3.3 oz)	50 cc (1.7 oz)	75 cc (2.5 oz)	
Maximum Fluid Outlet Pressure	192 bar (2800 psi)	206 bar (3000 psi)	206 bar (3000 psi)	248 bar (3600 psi)	275 bar (4000 psi)	275 bar (4000 psi)	
Maximum Air Inlet Pressure	7 bar (100 psi)	7 bar (100 psi)	7 bar (100 psi)	7 bar (100 psi)	6.2 bar (90 psi)	5.8 bar (85 psi)	
Air Consumption @ 7 bar (0.7 MPa - 100 psi) @ 20 cpm	0.74 m ³ /min (26 scfm)	0.25 m ³ /min (6 scfm)	0.48 m ³ /min (17 scfm)	0.74 m ³ /min (26 scfm)	0.48 m ³ /min (17 scfm)	0.74 m ³ /min (26 scfm)	
Fluid Inlet Size	1 " npt(m)	1/2 " npt(m)	3/4 " npt(m)	3/4 " npt(m)	3/4 " npt(m)	3/4 " npt(m)	
Fluid Outlet Size	1/2 " npt(m)	3/8 " npt(m)	3/8 " npt(m)	3/8 " npt(m)	3/8 " npt(m)	3/8 " npt(m)	
Air Inlet (motor)	1/2 " npt(f)	1/4 " npt(f)	1/2 " npt(f)	1/2 " npt(f)	1/2 " npt(f)	1/2 " npt(f)	



MERKUR



A hand in a light blue sleeve holds a silver spray gun. The gun is spraying a fine mist onto a roll of dark, fibrous material. The scene is set against a dark blue background, framed by a large circular cutout. The spray gun has a trigger and a nozzle, and is connected to a hose.

Orion®

**Bellows Pumps
Leak Free Design**

ORION

Designed with the User in Mind

For many work environments

- Variable inlet/outlet port orientation
- Recirculation inlet

Valve design

- Lower flow velocity for sensitive materials
- Powerful suction

Unique style packings

- Minimized U-Cup seal ring surface
Long-life, easy-to-clean
- Supportive profiled sleeve
Offers stability for the seal ring and helps keep it clean

Pump lower design

- Virtually no pulsation
- No fluid regulator needed

Simple air motor design

- Minimal number of parts
reduces repair time

Bellows sealed pump

- Eliminates throat seal
leakage and lubrication

Upside-down design

- High suction capability
- Easy to clean and rinse

Quiet air motor and muffler

- Extremely low sound
level operation

Precision air motor control

- Excellent control at low input pressure
for fine-finish applications

Introduction

Bellows Sealed

- No throat packing
Superior handling of abrasive, shear/moisture-sensitive materials
- No lubrication
Less service, less cost

Less Service

- Eliminates throat seal lubrication
- No packing adjustment
- No throat seal repair

More Flexibility

- Handles moisture and shear-sensitive materials
- Powerful suction capability
- Easy-to-flush

Lower Installed Cost

- Eliminates the need for an additional fluid regulator
- Recirculation inlet and two fluid outlets standard
- Flexible material port orientation



ORION

Ordering Information

Orion 15:1 - 10.2 lpm (2.7 gpm) 170 cc/cycle

Part Number	Description	Thread Design	Air Inlet Thread	Air Regulator	Air Gauge	Fluid Regulator Outlet	Fluid Filter	Fluid Inlet
234084	Bare Pump	npt	1/4 npt(m)			3/8 npt(m)		3/4 npt(m)
245935	Bare Pump	BSPP	3/8 BSPP(m)			3/8 BSPP(f)		1 BSPP(f)
234087	Wall Mount	npt	1/4 npt(f)	116513	110436	1/4-18 npsm(m)	223160	3/4 npt(m)
234091	Cart Mount	npt	1/4 npt(f)	116513	110436	1/4-18 npsm(m)	223160	3/4 npt(m)

Orion 28:1 - 6.0 lpm (1.6 gpm) 100 cc/cycle

Part Number	Description	Thread Design	Air Inlet Thread	Air Regulator	Air Gauge	Fluid Regulator Outlet	Fluid Filter	Fluid Inlet
234085	Bare Pump	npt	1/4 npt(m)			3/8 npt(m)		3/4 npt(m)
245934	Bare Pump	BSPP	3/8 BSPP(m)			3/8 BSPP(f)		1 BSPP(f)
234089	Wall Mount	npt	1/4 npt(f)	116513	110436	1/4-18 npsm(m)	223160	3/4 npt(m)
234093	Cart Mount	npt	1/4 npt(f)	116513	110436	1/4-18 npsm(m)	223160	3/4 npt(m)

Repair Kits

Part Number	Orion 15:1	Orion 28:1
Pump Part No.	245935/234084	245934/234085

Air Motor Kits

Air Valve Repair Kit	233836	233836
Air Motor Seal Repair Kit	234041	234041
Air Piston Rod	234042	234042
Bellows Seal Kit	234043	234043

Lower Pump Kits

Pump Packing Kit (UHMWPE/PTFE/SST)	234046	234047
Intake and Piston Ball and Seat Kit	234044	234045
Seal Repair kit	234048	234049
Displacement Rod, SST	15B013	15B015

Technical Specifications

Air Motor Diameter	160 mm (6.3 in)
Maximum Fluid Outlet Pressure	Orion 15:1, 120 bar (12.0 MPa, 1740 psi)
.....
.....	Orion 28:1, 224 bar (22.4 MPa, 3248 psi)
Maximum Air Input Pressure	8 bar (0.8 MPa, 116 psi)
Volume per Cycle	Orion 15:1, 170 cc (5.6 oz)
.....	Orion 28:1, 100 cc (3.4 oz)
Recommended Cycle Rates	
Continuous use, full/part load	14/18 cpm
Intermittent use, full/part load	30/45 cpm
Air Consumption @ 7 bar (0.7 MPa, 100 psi) @ 20 cpm	0.45 m ³ /min (16 scfm)
Sound Level @ 4 bar (0.4 MPa, 58 psi) @ 45 cpm	82 dBA
Air Inlet, Pump	3/4 npt(m) or 1 BSPP(f)
Fluid Outlet, Pump	3/8 npt(m) or 3/8 BSPP(f)
Air Inlet, Package	1/4 npt(f)
Fluid Outlet, Package	1/4 -18 npsm(m)
Weight, bare Pump	Orion 15:1, 30 kg (66 lbs)
.....	Orion 28:1, 26.4 kg (58 lbs)

Instruction Manual

.....	309512
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Accessories

- 15B526** Siphon Hose Kit 30 l (8 gallon)
- 15B527** Siphon Hose Kit 200 l (55 gallon)
- 15B528** 5 l (1.3 gallon) Stainless Steel Cup
- 243340** Pail Cover with Agitator
- 222121** Fluid Regulator, Stainless Steel
- 223160** Pump Outlet Fluid Filter, Stainless Steel
- 15B525** Pump Inlet Adapter, Stainless Steel, 1 BSPP(m) x 3/4 npt(m)
- 234083** Pump Outlet Adapter, Stainless Steel, 3/8 BSPP(m) x 3/8 npt(m)
- 245718** Pump Air Inlet Adapter, 1/4 npt(m) x 15.5 mm diameter
- 245682** Pump Air Inlet Adapter, 3/8 BSPP(m) x 15.5 mm diameter



ProMix™ Easy



PROMIX EASY

Designed with the User in Mind

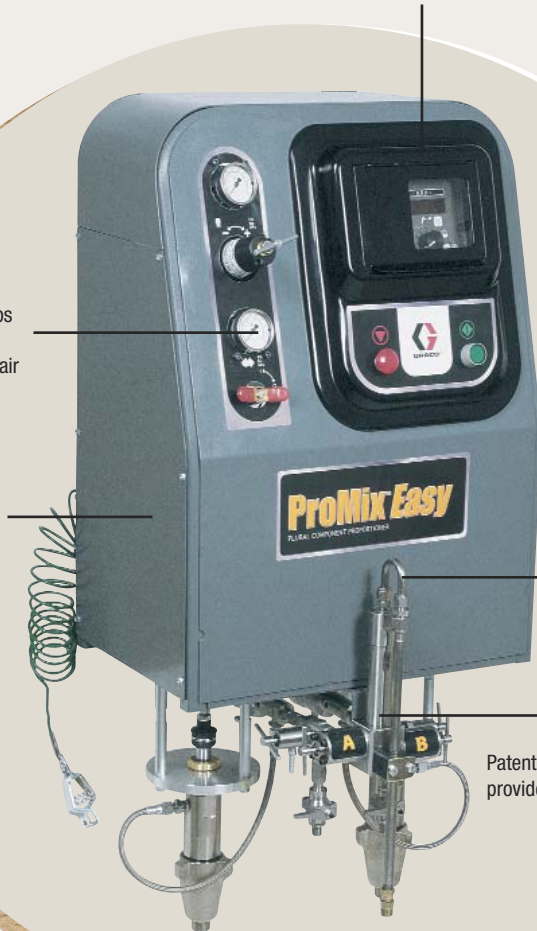
User-friendly controls make this the easiest unit to operate in the market

Intrinsically-safe design means pumps and controls only require air to operate

Offered in four pump versions for use in all spray technologies

Shutdown and alarm features prevent spraying off-ratio

Patented mixing technology provides superior quality



Introduction

Easy to use single-colour proportioner

Get superior ratio assurance with these air spray and air-assisted airless units! Easy-to-use and affordable, the ProMix™ Easy is an entry-level unit for single-colour electronic proportioning.

Units

Simple and Flexible Proportioning at an affordable price!

The ProMix™ Easy patented mixing technology is available in both pump and meter versions for all spray technologies, and is designed for single-colour, two-component, in-booth applications.

Features and benefits:

- Designed for single-colour materials including moisture sensitive ISO
- Circulation system keeps solids in suspension
- Reporting system monitors production
- Intrinsically-safe fluid panel allows for easy integration into hazardous environments
- Handles flow rates as low as 20 cc/min and ratios up to 30:1

On-Ratio Performance

Automatically maintains the mixing ratio within predefined tolerance limits, down to $\pm 1\%$ with the meter version and $\pm 5\%$ with the pump version. If exceeded, the system will stop production, preventing any off-ratio material from reaching your product, virtually eliminating expensive re-work. The ProMix Easy allows you to spray with confidence by staying on-ratio ...

Fluid manifold

The new ProMix Easy manifold design offers a 20% reduction in solvent flushing vs. standard integrator mixing systems. Valves have been redesigned for quicker response and improved efficiency. The flexible manifold design allows you to run single or multiple pumps and meters.



Ordering Information



ProMix Easy
PLURAL COMPONENT PROPORTIONER

A 120 B

Proportioners used in Air Spray Applications Approved for Hazardous Locations

Part

Number	Description
234596	Cart Mount, Ultra-Mix™ Carbon Steel Pumps, 0.45 m Hose AirPro Gun, HVLP, Pressure, 1.4 mm
234618	Wall Mount, G3000 Meter, Carbon Steel Mix Manifold 276 bar (27.6 MPa, 4000 psi)
234619	Wall Mount, G3000 Meter, Stainless Steel Mix Manifold 276 bar (27.6 MPa, 4000 psi)
234599	Wall Mount, Ultra-Mix™ Carbon Steel Pumps 17 bar (1.7 MPa, 250 psi)
234601	Wall Mount, Ultra-Mix™ Stainless Steel Pumps 17 bar (1.7 MPa, 250 psi)
234597	Wall Mount, Ultra-Mix™ Carbon Steel Pump/G3000 Meter 17 bar (1.7 MPa, 250 psi)
234598	Wall Mount, Ultra-Mix™ Stainless Steel Pump/G3000 Meter 17 bar (1.7 MPa, 250 psi)

Proportioners used in Air-Assisted Applications Approved for Hazardous Locations

Part

Number	Description
234606	Wall Mount, HydraMix™ 500 Carbon Steel Pumps, 165 bar (16.5 MPa, 2400 psi)
234608	Wall Mount, HydraMix™ 500 Stainless Steel Pumps, 165 bar (16.5 MPa, 2400 psi)
234602	Wall Mount, HydraMix™ 500 Carbon Steel Pump/G3000 Meter, 165 bar (16.5 MPa, 2400 psi)
234603	Wall Mount, HydraMix™ 500 Stainless Steel Pump/G3000 Meter, 165 bar (16.5 MPa, 2400 psi)
234609	Wall Mount, HydraMix™ 600 Carbon Steel Pumps, 234 bar (23 MPa, 3400 psi)
234611	Wall Mount, HydraMix™ 600 Stainless Steel Pumps, 234 bar (23 MPa, 3400 psi)
234604	Wall Mount, HydraMix™ 600 Carbon Steel Pump/G3000 Meter, 234 bar (23 MPa, 3400 psi)
234605	Wall Mount, HydraMix™ 600 Stainless Steel Pump/G3000 Meter, 234 bar (23 MPa, 3400 psi)
234618	Wall Mount, G3000 Meter, Carbon Steel Mix Manifold, 276 bar (27.6 MPa, 4000 psi)
234619	Wall Mount, G3000 Meter, Stainless Steel Mix Manifold, 276 bar (27.6 MPa, 4000 psi)

Proportioners used in Airless Applications Approved for Hazardous Locations

Part

Number	Description
234612	Wall Mount, HydraMix™ 700 Carbon Steel Pumps, 324 bar (32 MPa, 4700 psi)
234613	Wall Mount, HydraMix™ 700 Stainless Steel Pumps, 324 bar (32 MPa, 4700 psi) Approved for Non-Hazardous Location
234600	Wall Mount, Ultra-Mix™ Carbon Steel Pumps, 17 bar (1.7 MPa, 250 psi)
234825	Wall Mount, Ultra-Mix™ Stainless Steel Pumps, 17 bar, 1.7 MPa (250 psi)
234607	Wall Mount, HydraMix™ 500 Carbon Steel Pumps, 165 bar (16.5 MPa, 2400 psi)
234826	Wall Mount, HydraMix™ 500 Stainless Steel Pumps, 165 bar (16.5 MPa, 2400 psi)
234610	Wall Mount, HydraMix™ 600 Carbon Steel Pumps, 234 bar (23 MPa, 3400 psi)
234827	Mount, HydraMix™ 600 Stainless Steel Pumps, 234 bar (23 MPa, 3400 psi)

Ordering Information

Technical Specifications

Mix Ratio Range	0.1:1-10:1* (in 0.1 increments), Pump-based Systems
.....	0.1:1-30:1* (in 0.1 increments), Meter-based Systems
Ratio Tolerance Range	up to +/- 1%
Flow Rates	
Minimum	0.02 lpm*, Pump-based Systems
.....	0.1 lpm*, meter-based systems
Maximum	Pump Size
UltraMix	54 cc/cycle
HydraMix	92 cc/cycle
Pump Cycle Length	(one cycle = one upstroke and one downstroke)
Ultra-Mix™	6 in (152 mm)/cycle
HydraMix™	7.6 in (193 mm)/cycle
Fluid Viscosity Range	50-20,000 cps (heavier viscosities can be mixed with use of optional heaters, heated hoses, and hardware)
Fluid Filtration	60 mesh (238 micron) standard
Maximum Fluid Working Pressure	
2.5:1 Ultra-Mix™	17 bar (1.7 MPa, 250 psi)
24:1 HydraMix™	168 bar (16 MPa, 2400 psi)
34:1 HydraMix™	238 bar (23 MPa, 3400 psi)
47:1 HydraMix™	329 bar (32 MPa, 4700 psi)
Meter-based Systems	276 bar (27.6 MPa, 4000 psi)
Air Supply Pressure Range	4.2-8 bar (420-800 kPa, 60-110 psi)
Maximum Air Consumption at 7 bar (0.7 MPa, 100 psi)	
2.5:1 Ultra-Mix™	0.30 m ³ /min at 3.8 lpm
24:1 HydraMix™	1.13 m ³ /min at 3.8 lpm
34:1 HydraMix™	1.53 m ³ /min at 3.8 lpm
47:1 HydraMix™	1.76 m ³ /min at 3.8 lpm
Ambient Temperature Range	
Operating	0-40° C
Storage	-1-71° C
Approved for Hazardous Locations	FM for the United States; Class 1, Div. 1
.....	CSA Canada; Class 1, Division 1
.....	ATEX for Europe; Class 1 Zone 1
External Power Supply Requirements	93-250 Vac, 50/60 Hz, 1.2 amps maximum draw
.....	15 amp maximum circuit breaker required
.....	14 AWG power supply wire gauge
Environmental Conditions Rating	Indoor/outdoor
.....	Altitude up to 4000 meters
.....	Maximum relative humidity to 99% up to 40° C
.....	Pollution degree (1)
.....	Installation category (2)
Sound Pressure	98 dBA at 7 bar (0.7 MPa, 100 psi)

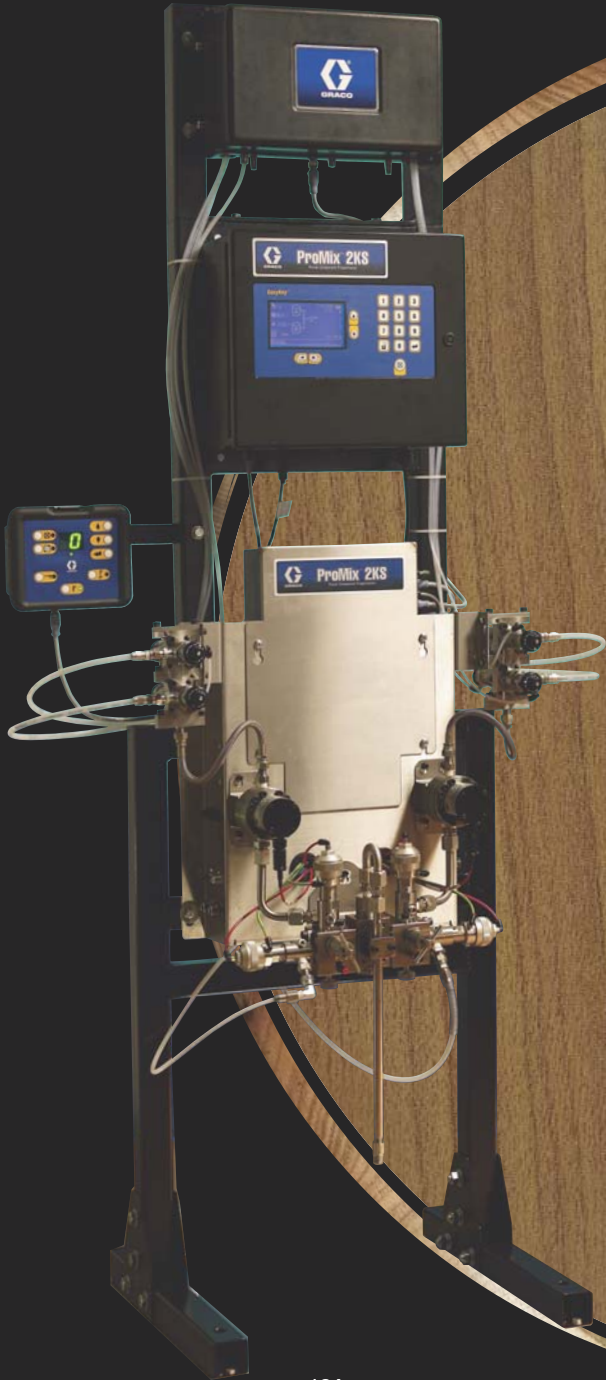


Instruction Manual

Pumps	310662
Dispense Valves	310655
Mix Manifold	310654
Meters	308778
PC Communications	RS-232
* Material and application dependent	

General Spares

207484	Siphon Hose Assembly for Ultra-Mix™ and HydraMix™ Pumps
158555	1 inch to 3/4 inch Reducing Nipple
158383	1 inch Union Swivel
248587	Gun Air Regulator Kit, Meter-based Air Spray System
248588	Gun Air Regulator Kit, Pump-based Air Spray System
214706	Spring Operator Stainless Steel Fluid Regulator with Gauge
222121	Spring Operator Stainless Steel Fluid Regulator
238782	Stainless Steel Fluid Filter
248652	Circulation Kit, Stainless Steel, Solenoid and Tubing for A or B Pump
248400	Stand Kit
248401	Caster Kit
248403	Reporting Kit IS Software and Cable
248404	Reporting Kit Non IS Software and Cable
248224	9.5 liter ISO Supply Kit, Sealant
248225	19 liter ISO Supply Kit Sealant
248432	Pressure Feed Kit for ISO Supply Hose
248427	TSL Pump Kit Hydramix™
248583	TSL Pump Kit Ultra-Mix™
248398	Non IS-AC Power Supply Kit



ProMix™ 2KS

Two-Component
Electronic
Proportioning
System

PROMIX 2KS



Designed with the User in Mind



Introduction

Increase Efficiency and Productivity!

Introducing Graco's new line of electronic proportioners!

ProMix™ 2KS offers precise and reliable electronic proportioning for a broad range of solvent-borne, waterborne, and acid catalyzed materials. From entry-level to upgraded applications, the ProMix 2KS provides flexibility and increased efficiency. With outstanding performance in one easy-to-use design, let ProMix 2KS enhance your finishing operation today.

Features

- Manual and automatic configurations
- Intrinsically safe fluid panels allow for integration into hazardous areas

Hazardous areas

- Single- or multi-colour and catalysts
- Accurate ratio assurance for superior finish quality
- Simple programming allows fast set-up and efficiently

Process control

- Advanced web interface provides consolidated system management and reporting

Key Materials

- Solventborne epoxies and polyurethanes
- Waterborne epoxies and polyurethanes
- Acid catalyzed materials

Why Electronic Proportioning?

- Offers the highest degree of ratio assurance
- Provides critical process variable feedback
- Built-in system safeguards
- Effective colour change solution
- Efficient material tracking and reporting



Units

ProMix 2KS is available in a variety of system level configurations. Each one includes an EasyKey™ display along with a smart fluid panel. Colour and catalyst change is easily integrated with a plug-and-play control module and valves.

Manual Wall Panel

Manual systems benefit from an additional remote operator station that allows fingertip control inside the spray booth.

Automatic Wall Panel

Optional flow control is cleanly integrated without incorporating a mixed material line meter. Pressure and flow loops provide fast step changes with superior closed loop control.

Automatic RoboMix Panel

This fluid panel can be easily integrated near the spray gun for a shorter mixed material line, faster colour changes and less waste. Also available with flow control.

The independent touch pad keeps contaminants off the screen while the large keys allow for easy data entry. Graco's EasyKey user interface offers simple navigation, multiple language capabilities and a high degree of reliability. The large LCD display screen is simple to read and operate during machine set-up and process monitoring.

Remote Operator Station

Convenient Control

Perform all proportioning functions without leaving the spray booth. The remote operator station can be mounted inside the spray booth or near the operator for quicker response times. The station offers easy-to-use controls for mixing, standby, purging, reading/clearing alarms, inputting job complete and recipe select functions.



Introduction



Wall & RoboMix Fluid Panel Features

Productive Panels

Intrinsically safe fluid panels offer increased proportioning and flushing functionality, resulting in improved process performance.

Versatile Dosing

Multiple sequential dose sizes allow the system to meet a broad range of applications without sacrificing performance and quality. Dynamic dosing provides additional proportioning technology to meet unique application needs.

On-Ratio Performance

Volume based dosing provides exceptional ratio accuracy across varying flow rates or gun triggering conditions. On-the-fly monitoring and compensation enhance performance and finish quality.

Consistent Mix Quality

Optimized mix chamber hardware, along with high-speed processors and dispense valves, generate precise performance and consistent, high quality mixed material.

Fast Colour Change with Reduced Waste

New fluid manifold design reduces material volume and streamlines fluid porting for cleaner flushing. Manifold dump valves allow simultaneous purging and loading – reducing colour change time and providing better waste containment.

Technical Specifications



Technical Specifications

Maximum Working Air Pressure	7 bar (100 psi)
Air Supply	5.2 to 7 bar (75 to 100 psi)
Air Filtration	
Air logic (Graco supplied)	5 micron
Air purge (user supplied)	30 micron clean/dry
Air for atomizing (user supplied)	minimum of 30 micron clean/dry
Mix Ratio Range	
Sequential Dosing	0.1:1 to 50:1
Dynamic Dosing	0.1:1 to 30:1
Ratio Accuracy	up to $\pm 1\%$ minimum (user selectable)
Fluids Handled	one or two component: solvent and waterborne paints;
.....	polyurethanes; epoxies; acid catalyzed varnishes; moisture sensitive isocyanates
Fluid Filtration	100 mesh min
Flow Meters	
.....	G250
.....	G250HR
.....	G3000
.....	G3000HR
.....	HG6000
.....	HG6000HR
.....	1/8" Coriolis
.....	3/8" Coriolis
.....	S3000 (Solvent Meter)
Component working pressure	
Wall Fluid Panel (no meters)	275 bar (4000 psi)
Robo Fluid Panel (G250 meters)	17.2 bar (250 psi)
Flow Control Regulator	13 bar (200 psi)
Low Pressure Colour Change Valves	20.6 bar (300 psi)
High Pressure Colour Change Valves	206.7 bar (3000 psi)
External Power Supply Requirements	85-250 Vac, 50/60 Hz. 2 amps maximum draw,
.....	15 amp maximum circuit breaker required, 8 to 14 AWG power supply wire gauge
Operating Temperature Range	5 to 50°C (41 to 122°F)
Noise Level	
Sound Pressure Level	below 70 dBA
Sound Power Level	below 85 dBA
Wetted Parts	303 SST, 304 SST, PTFE, perfluoroelastomer, tungsten carbide with nickle binder
Weight	
EasyKey Display	9.8 kg (21.75 lb)
Remote Operator Station	0.43 kg (0.95 lb)
Wall Fluid Panel (no meters)	22.7 kg (50 lb)
RoboMix Fluid Panel (G250 meters included)	14.3 kg (31.6 lb)
Flow Control Regulator	1.8 kg (4 lb)
Approved for Hazardous Locations .. US and Canada - class 1 Div 1 Group D T3 / Europe - Zone 0 Ex ia IIA T3/ATEX II2G T3	
Environmental Condition Rating	indoor use, pollution degree (2), installation category II

Accessories

Accessories

Meter Kits

Contains one flow meter, cable, and hardware

- 15V804** G3000 Flow Meter
- 15V827** G3000HR Flow Meter
- 15V820** HG6000 Flow Meter
- 15V806** 1/8" Coriolis Flow Meter
- 258151** 3/8" Coriolis Flow Meter
- 15V807** S3000 (Solvent) Flow Meter

Low Pressure Colour Change Kits

Contains colour valves and solenoid control module

- 256581** 2 Colour
- 256582** 4 Colour
- 256583** 7 Colour
- 256584** 12 Colour
- 256585** 2 Colour and 2 Catalyst
- 256586** 4 Colour and 2 Catalyst
- 256587** 4 Colour and 4 Catalyst
- 256588** 7 Colour and 2 Catalyst
- 256589** 7 Colour and 4 Catalyst
- 256590** 12 Colour and 2 Catalyst
- 256591** 12 Colour and 4 Catalyst
- 256592** 13-18 Colours
- 256593** 13-24 Colours
- 256594** 13-30 Colours
- 256595** 0 Colours and 2 Catalysts

High Pressure Colour Change Kits

Contains colour valves and solenoid control module

- 256596** 2 Colour
- 256597** 4 Colour
- 256598** 7 Colour
- 256599** 12 Colour
- 256600** 2 Colour and 2 Catalyst
- 256601** 4 Colour and 2 Catalyst
- 256602** 4 Colour and 4 Catalyst
- 256603** 7 Colour and 2 Catalyst
- 256604** 7 Colour and 4 Catalyst
- 256605** 12 Colour and 2 Catalyst
- 256606** 12 Colour and 4 Catalyst
- 256607** 13-18 Colours
- 256608** 13-24 Colours
- 256609** 13-30 Colours
- 256610** 0 Colours and 2 Catalysts

Valve Kits

Contains valve, solenoid, and hardware

- 15V821** Wall Panel Dump Valve
- 15V354** Wall Panel 3rd Flush Valve
- 15V822** RoboMix Panel Dump Valve
- 15V202** RoboMix Panel 3rd Flush Valve
- 15V077** Stainless Steel Needle
High Pressure Valve
- 15V737** Lubrication Cup
High and Low Pressure Valve
Supplies lubrication to the valve
needle and seal
- 15U932** Carbide Seat
High Pressure Valve

Dosing Kits

Contains fluid manifold hardware

- 15V034** 10 cc Sequential Dosing
- 15V033** 25 cc Sequential Dosing
- 15V021** 50 cc Sequential Dosing
- 24B618** 100 cc Sequential Dosing
- 15U955** 0 cc Dynamic Dosing

RoboMix Panel Kits

Used to interface up to two air flow switches and two gun flush boxes to a RoboMix Panel. Order air flow switch or gun flush box kits separately.

- 15V267** RoboMix Panel Ratio Check Kit
- 15V534** Manual Gun Interface Kit

Communication Kits

- 15V825** Discrete I/O Integration Board
Contains inputs and outputs for controlling
automatic integration and special output
functionality
- 15V331** Ethernet IP Gateway Assembly
- 15V963** DeviceNet Gateway Assembly
- 15V964** Profibus Gateway Assembly
Network communication assembly for
automatic integration. Contains gateway
module, power supply, and enclosure.
- 15X492** Ethernet IP Gateway Module
- 15V966** DeviceNet Gateway Module
- 15V965** Profibus Gateway Module
Network communication module for
automatic integration. Contains gateway
module only.
- 15W023** Communication + I/O Harness Kit

- 15V337** Advanced Web Interface with Eight Port Hub
Contains web server module, power supply, eight port hub, and enclosure
- 15V336** Eight Port Ethernet Hub
Contains eight port hub, power supply, and enclosure
- 121998** 7.5 m (25 ft) CAT V Cable
- 121999** 15 m (50 ft) CAT V Cable
- 15V842** 30 m (100 ft) CAT V Cable
- 15V843** 60 m (200 ft) CAT V Cable

Cables

- 15V213** 30 m (100 ft) Power Cable
- 15G710** 30 m (100 ft) Fiber Optic Cable
- 15U977** 12 m (40 ft) Flow Control Extension Cable
- 15U532** 0.9 m (3 ft) CAN Cable
- 15V205** 1.8 m (6 ft) CAN Cable
- 15V206** 3 m (10 ft) CAN Cable
- 15V207** 4.5 m (15 ft) CAN Cable
- 15V208** 7.5 m (25 ft) CAN Cable
- 15U533** 15 m (50 ft) CAN Cable

Miscellaneous Kits

- 15V826** Gun Flush Box Kit
Contains gun flush box and control hardware
- 570123** Gun Flush Box Wall Mount Kit
- 15V823** Gun Air Shutoff Kit
Used to automatically shut off gun atomizing air during flush and fill sequences without a gun flush box
- 15T632** Air Flow Switch Kit
- 15V350** Remote Operator Station Kit
- 15V256** Manual to Automatic Conversion Kit
- 15X247** Auto Dump Kit
Used to incorporate an auto dump feature without a gun flush box. Contains a dump valve, solenoid, and hardware
- 949122** Clear Plastic Static Mixer
- 15V536** Solvent Flow Switch
Used to detect solvent flow during flush sequences
- 15W034** Alarm Light for Manual Systems
- 122193** Alarm Light for Automatic Systems
- 15V950** Floor Stand
Contains provisions for mounting a wall fluid panel, EasyKey display, and colour change module.
- 197902** EasyKey Paint Shields

- Includes 10 disposable clear plastic shields to cover the EasyKey display and shield it from paint overspray
- 15M483** Remote Operator Station Paint Shields
Includes 10 disposable clear plastic shields to cover the remote operator station display and shield it from paint overspray
- 15W600** Wall Panel Fluid Manifold Cover

Gun Flush Box Gun Holders

- 198787** Graco Pro Xs2
- 198405** Graco Pro Xs3, Pro Xs4
- 196768** Graco PRO 3500, 3500hc, 4500
- 15T646** Graco AirPro Air Spray
- 196769** Graco Delta Air Spray
- 196770** Graco Alpha
- 196771** Graco Alpha Plus, Alpha Plus RAC
- 15G093** Graco G15
- 15G346** Graco G40, G40 RAC





Agitators & Heaters

To provide the
Complete Solution,
to assure the
Maximum
Performance

Introduction

Graco's new drum agitator provides thorough mixing of shear-sensitive, high solids and fast-settling fluids

Agitators

Passivated construction makes agitator suitable for all waterborne, acid catalized, and solvent-borne fluids up to 3000 centipoise. Wide, full-width blades provide thorough mixing of material, lessens leftover sediment waste. Gentle rpm reduces material degradation, prevents aeration and improves quality of finished work. Optional SST siphon tube provides a patented way to evacuate fluids through the agitator shaft.

Graco let the customer define this new drum agitator. With its full-width blades, this powerful agitator quickly and gently mixes fluids, minimizing leftover sediment at the bottom of the container. More importantly, it maintains the integrity of the fluid to assure optimum quality standards.

Heaters

High output fluid heaters provide great heating capacity. Graco's Viscon™ heaters maintain optimal temperatures to provide consistent control of fluid viscosity. With a temperature operating range of 29-104°C (84-219°F), Viscon heaters are excellent for any coating, sealant, adhesive or lubricant you can pump.

Stainless steel design resists corrosion, and is compatible with most materials. Available in hazardous and non-hazardous models.

- Pressure rating of 500 bar (50 MPa, 7250 psi)
- Temperature accuracy within $\pm 1.7^{\circ}\text{C}$ (3°F) of set point
- Excellent for high solids coatings, adhesives or resins
- Increased heating capacity and temperature control
- 11 mm (7/16 in) diameter fluid passages

Ordering Information



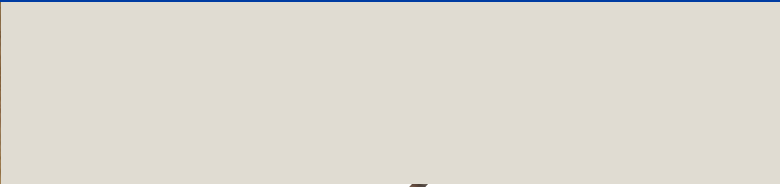
Agitators

- 231414** 200 l Elevator-Agitator set with Suction Tube Set (238250)
- 224572** For 38 l, Stainless Steel, Needle Valve, Shaft Length 420 mm
- 238157** 200 l Drum, SST, Reducer 24:1, max 3000 cP
- 222695** For 14 l Stainless Steel, Needle Valve, Air Hose
- 226086** 14 l, Agitator with Pot Cover, CS
- 206758** 200 l Drum
- 207199** Complete with Drum Cover for 200 l Drum
- 206760** 0.8 kW, 220 l Mix Tanks 845 mm

Heaters

- 245848** Heater 500 bar, SST, 120 Volt, 2300 Watt, 19.2 Amp Exschutz EEx D IIB T2
- 245863** Heater 500 bar, SST, 240 Volt, 4000 Watt, 16.7 Amp Exschutz EEx D IIB T2
- 246254** Heater 500 bar, SST, 380 Volt, 4000 Watt, 10.5 Amp Exschutz EEx D IIB T2
- 245867** Heater 500 bar, SST, 120 Volt, 2300 Watt, 19.2 Amp without Exschutz
- 245869** Heater 500 bar, SST, 240 Volt, 4000 Watt, 16.7 Amp without Exschutz
- 246276** Heater 500 bar, SST, 380 Volt, 4000 Watt, 10.5 Amp without Exschutz







ABOUT GRACO

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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All written and visual data contained in this document are based on the latest product information available at the time of publication.
Graco reserves the right to make changes at any time without notice.

Graco is certified ISO 9001.

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