Wood Finishing

Catalogue

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.

Content

Tips &
Practical Info

Tips

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

Atomisation vs. flow rate chart

Atomisation

Very Coarse

Coarse

Medium

Fine

Very Fine

HVLP

Air-Assisted Airless

Airless

Compliant

Air Spray

0,3 l/min   0,7 l/min   1,5 l/min

Spray Gun Application Rate (Flow)
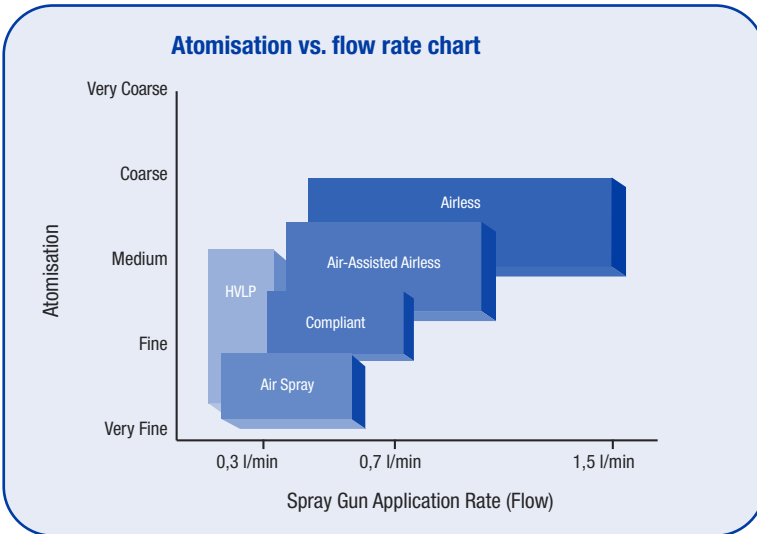
Relative atomisation
and typical flow rate comparison
of atomisation methods

Expected Overspray Rate

		ESTIMATED OVERSPRAY IN %
AIR ATOMIZATION	AIR SPRAY	
	HVLP	
	COMPLIANT	
HYDRAULIC ATOMIZATION	AIRLESS	
	AIR-ASSISTED AIRLESS	
ELECTROSTATIC SPRAY	AIR SPRAY	
	AIR-ASSISTED AIRLESS	

0   10   20   30   40   50   60   70   80   90   100

ESTIMATED OVERSPRAY IN %
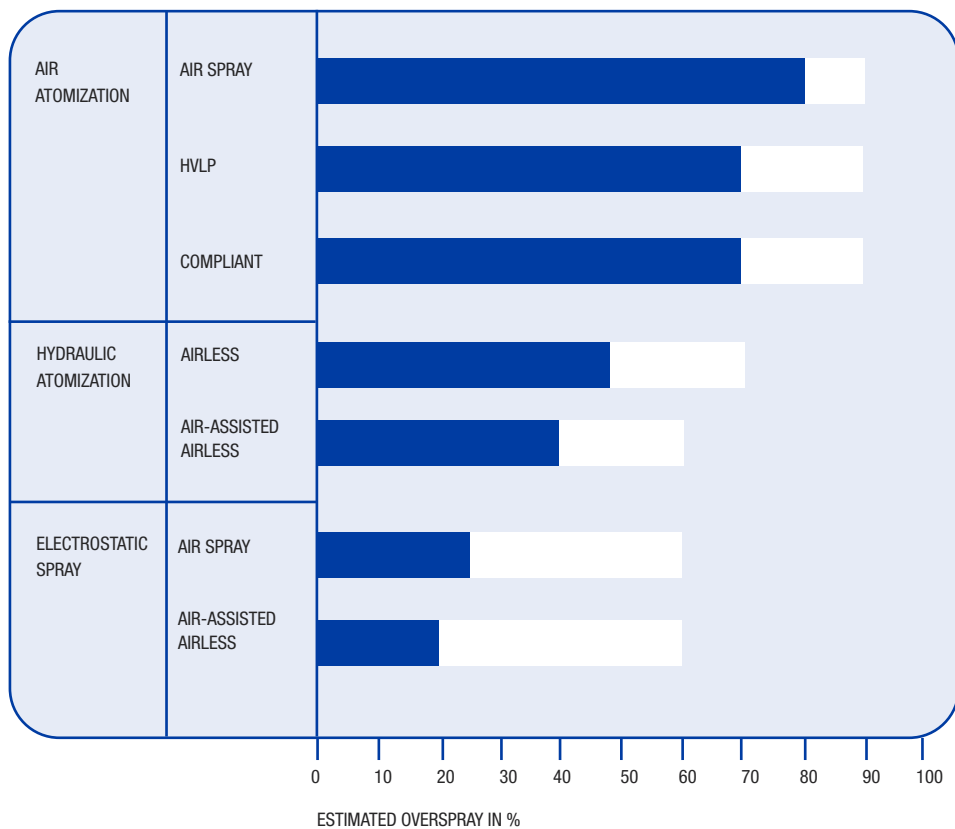
■ ASTM : Measuring Method

□ 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	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						

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 (NGR)

Other Stains

Sealers & Primer

Top Coats

Intensity of use

less <   > more

Packages Selection Table

Intensity of use
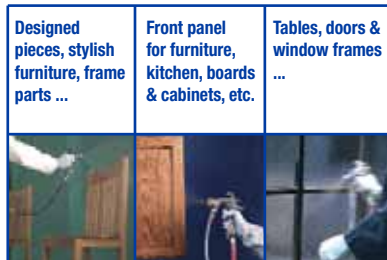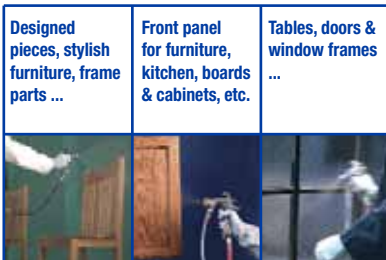
Type of material		Designed pieces, stylish furniture, frame parts ...	Front panel for furniture, kitchen, boards & cabinets, etc.	Tables, doors & window frames ...	Designed pieces, stylish furniture, frame parts ...	Front panel for furniture, kitchen, boards & cabinets, etc.	Tables, doors & window frames ...
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							
Plural Colour (Quick) Colour Change							
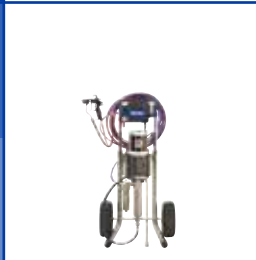
Legend

Triton™   Merkur™   Finex™   ProMix™ Easy   ProMix™ 2KS

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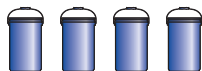|	Designed pieces, stylish furniture, frame parts ...	Front panel for furniture, kitchen, boards & cabinets, etc.	Tables, doors & window frames ...		Designed pieces, stylish furniture, frame parts ...	Front panel for furniture, kitchen, boards & cabinets, etc.	Tables, doors & window frames ...
Dye Stains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

Intensity of use

less <   > more

FFA= Finishing applications

PAA= High pressure applications
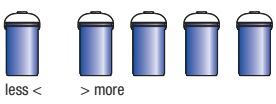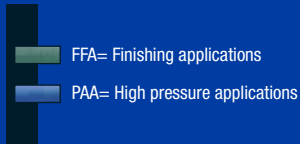
How to select your tip

- 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.

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)
0.007 (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)

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)*		Fan Width at 10 in (260 mm)								
Orifice Size in (mm)	at 138 bar (13.8 MPa, 2000 psi)	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)
0.007 (0.178)	0.05 (0.2)	107		307						
0.009 (0.229)	0.09 (0.33)	109	209	309	409	509	609			
0.011 (0.279)	0.12 (0.49)	111	211	311	411	511	611	711		
0.013 (0.330)	0.18 (0.69)	113	213	313	413	513	613	713	813	
0.015 (0.381)	0.24 (0.91)	115	215	315	415	515	615	715	815	
0.017 (0.432)	0.31 (1.17)	117	217	317	417	517	617	717	817	
0.019 (0.483)	0.38 (1.79)	119	219	319	419	519	619	719	819	
0.021 (0.533)	0.47 (1.79)	1121	221	321	421	521	621	721	821	
0.023 (0.584)	0.57 (2.15)	123		321	423	523	623	723	823	923
0.025 (0.635)	0.67 (2.54)	125	225	325	425	525	625	725	825	
0.027 (0.686)	0.74 (2.96)	127	227	327	427	527	627	727	827	927
0.029 (0.737)	0.9 (3.42)	129	229	329	429	529	629	729	829	
0.031 (0.787)	1.03 (3.9)	131	231	331	431	531	631	731	831	931
0.033 (0.838)	1.17 (4.42)	133		333	433	533	633	733	833	933
0.035 (0.889)	1.31 (4.98)	135	235	335	435	535	635	735	835	935
0.037 (0.940)	1.47 (5.56)	137		337	437	537	637	737	839	937
0.039 (1)	1.63 (6.18)	139	239	339	439	539	639	739	839	939
0.041 (1.05)	1.8 (6.83)			341	441	541	641	741	841	
0.043 (1.10)	1.98 (7.51)			343	443	543	643	743	843	
0.045 (1.15)	2.17 (8.23)			345	445	545	645			
0.047 (1.20)	2.37 (8.98)			347	447	547	647	747	847	
0.049 (1.25)	2.58 (9.76)				449	549	649	749		
0.051 (1.30)	2.79 (10.57)			351	451	551	651	751	851	
0.053 (1.35)	4.26 (16.13)					553		753		
0.055 (1.40)	3.25 (12.29)			355	455	555	655	755	855	
0.057 (1.45)	3.49 (13.20)					557	657			
0.059 (1.50)	3.74 (14.14)				459		659			
0.061 (1.55)	4.00 (15.20)				461	561	661	761	861	
0.063 (1.60)	4.26 (16.13)				463		663		863	
0.065 (1.65)	4.53 (17.17)				465	565	665			
0.067 (1.70)	4.82 (18.24)				467	567	667	767	867	
0.069 (1.75)	5.11 (19.34)						669			
0.071 (1.80)	5.41 (20.48)				471	571	671	771		
0.075 (1.90)	6.04 (22.85)				475	575	675			
0.081 (2.00)	7.04 (26.66)				481					

AirPro™

Conventional Spray Gun Offering

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

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

Two piece needle with
replaceable tip reduces
operating costs

Ultra-light trigger pull
reduces muscle stress

Inlet pressure adjustment
(cheater valve) increases
spraying flexibility
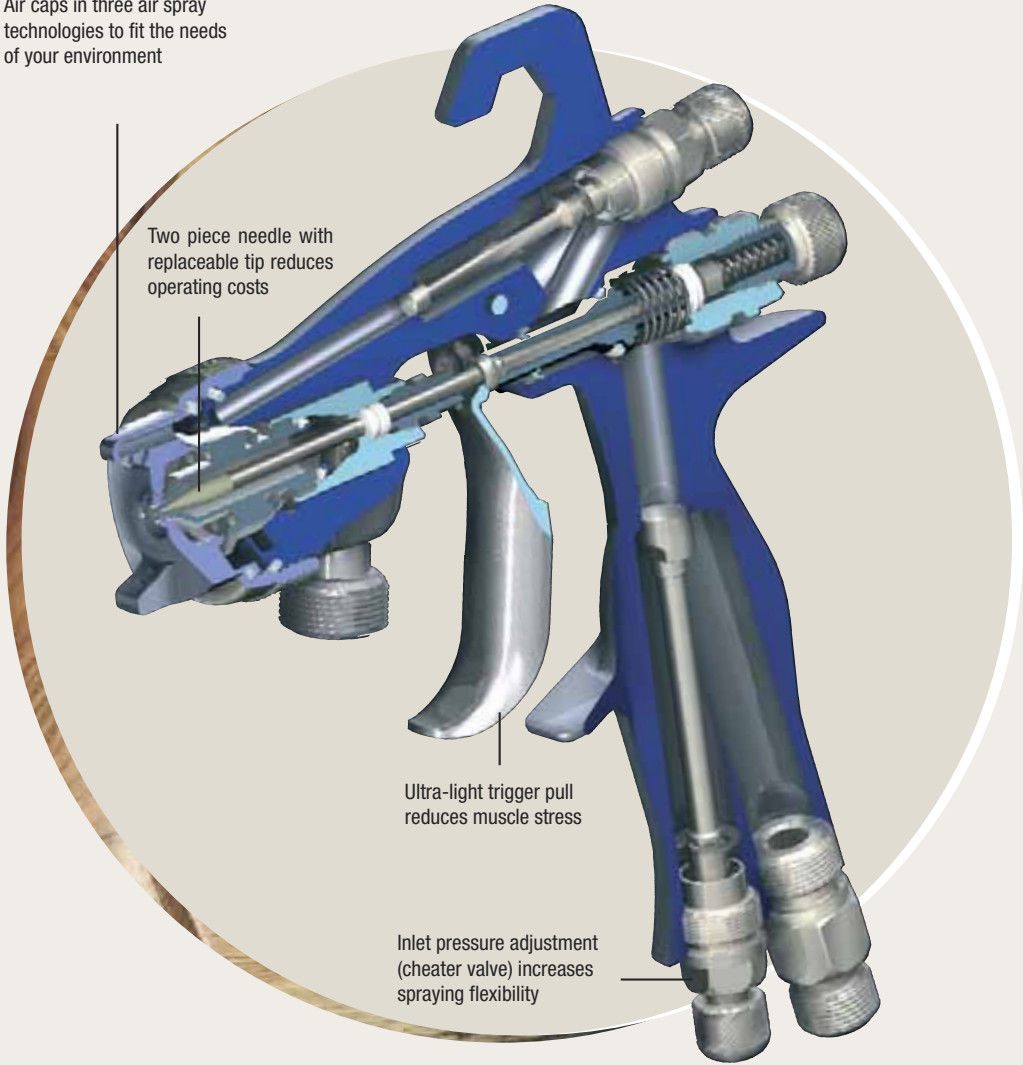
Introduction

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

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

Pressure Feed   Gravity Feed   Siphon Feed
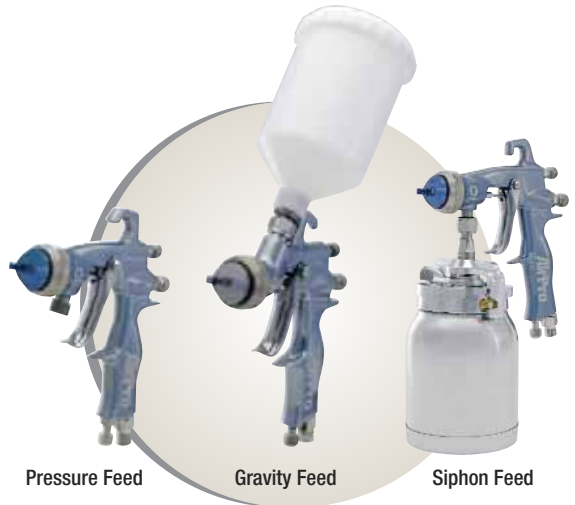
available in 3 Feed Types

Ordering information

Pressure Feed (part 1)

Part Number	Description	Feeding	Spray Technology	Typical Aplication	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 Aplication	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 Aplication	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

Instruction Manual

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, 1.1mm (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")

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, 1l 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

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

Ergonomic design

Inlet pressure adjustment
(cheater valve) increases
spraying flexibility
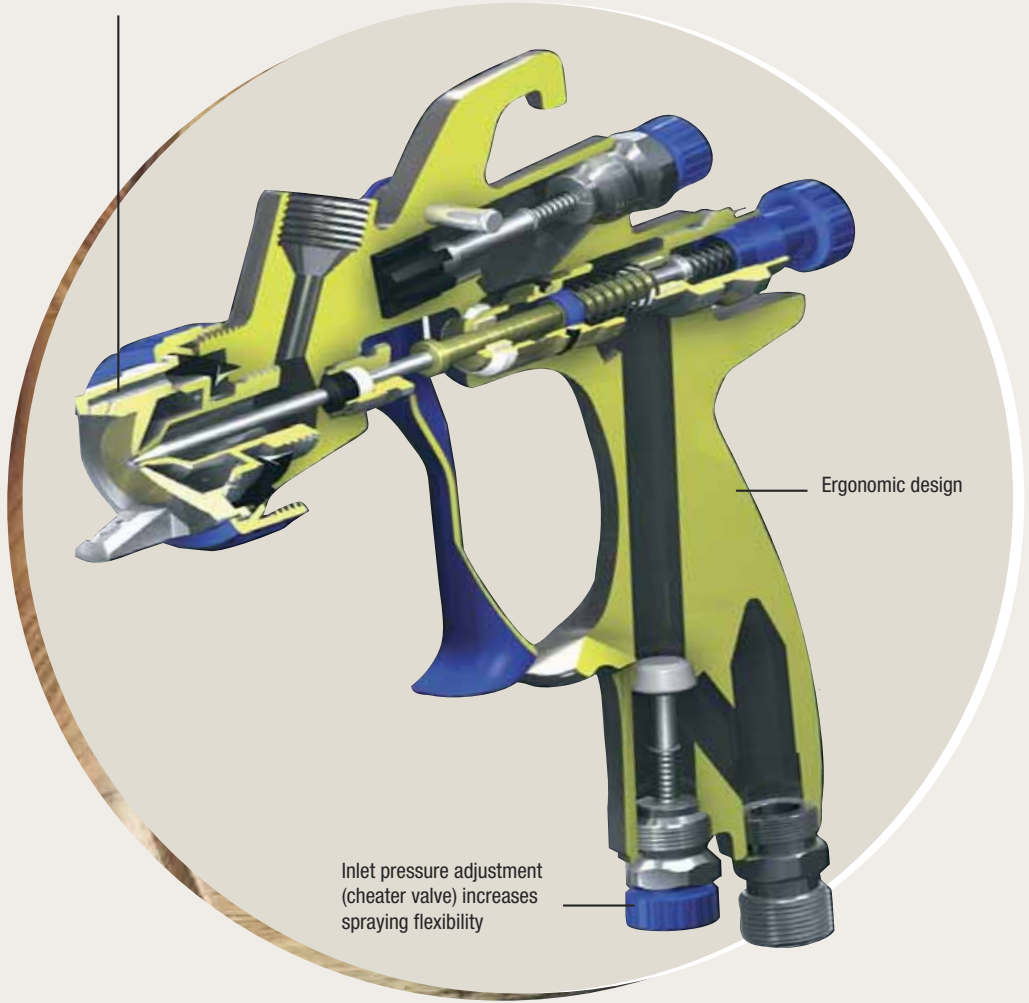
Introduction

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

Pressure Feed   Mini Gravity Feed   Gravity Feed

37
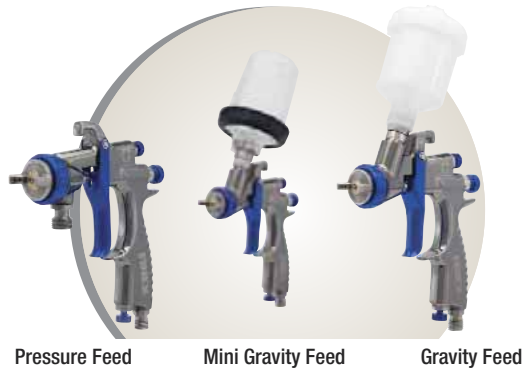
Ordering information

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*

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 Hvlp
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
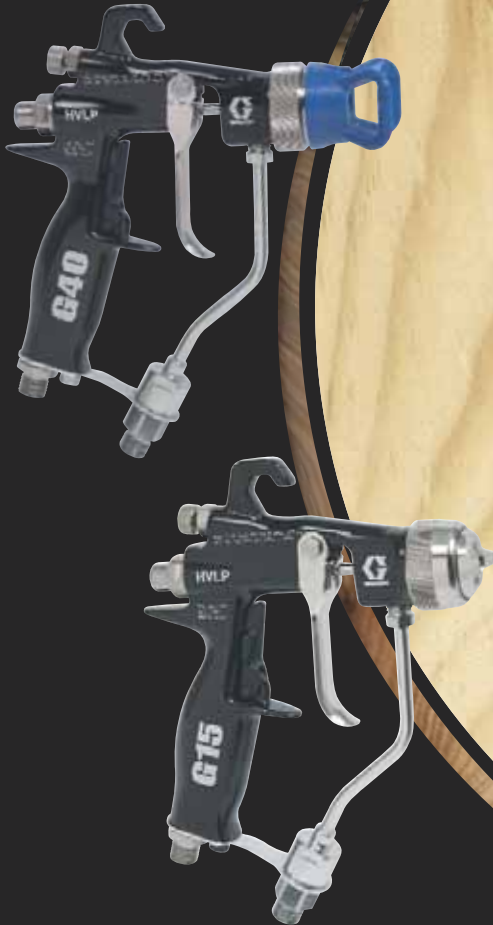
AA Series

Manual Air-Assisted Spray Guns

Designed for exceptional spray quality and ease-of-use

Quick change needle/
seat assembly

3/4 turn fan pattern
adjustment

Indexing and soft spray
air cap (G15 only)

Ultra-light trigger pull

Integrated in-line filter

44
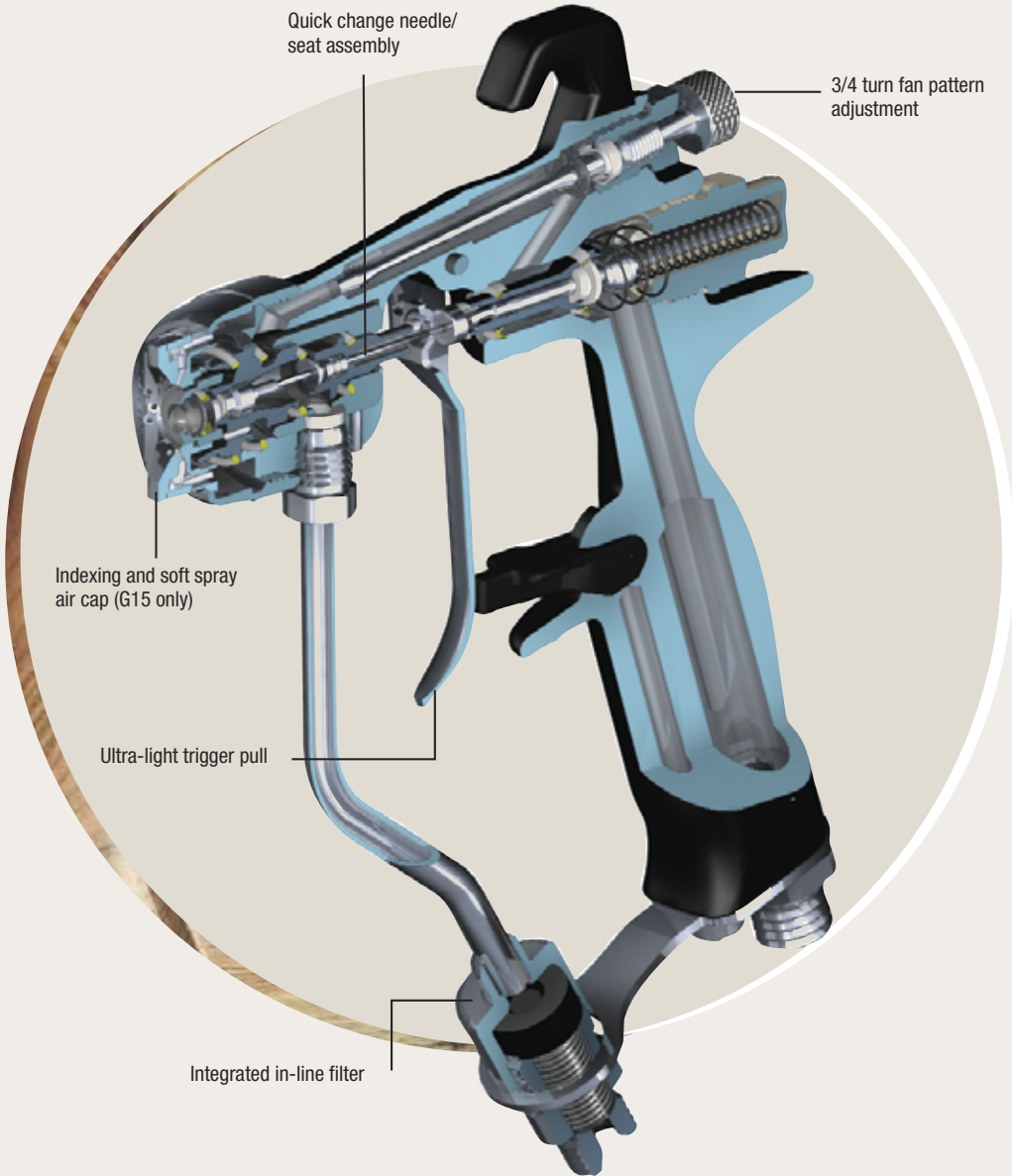
Introduction

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

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

XHD tips

Integrated filter

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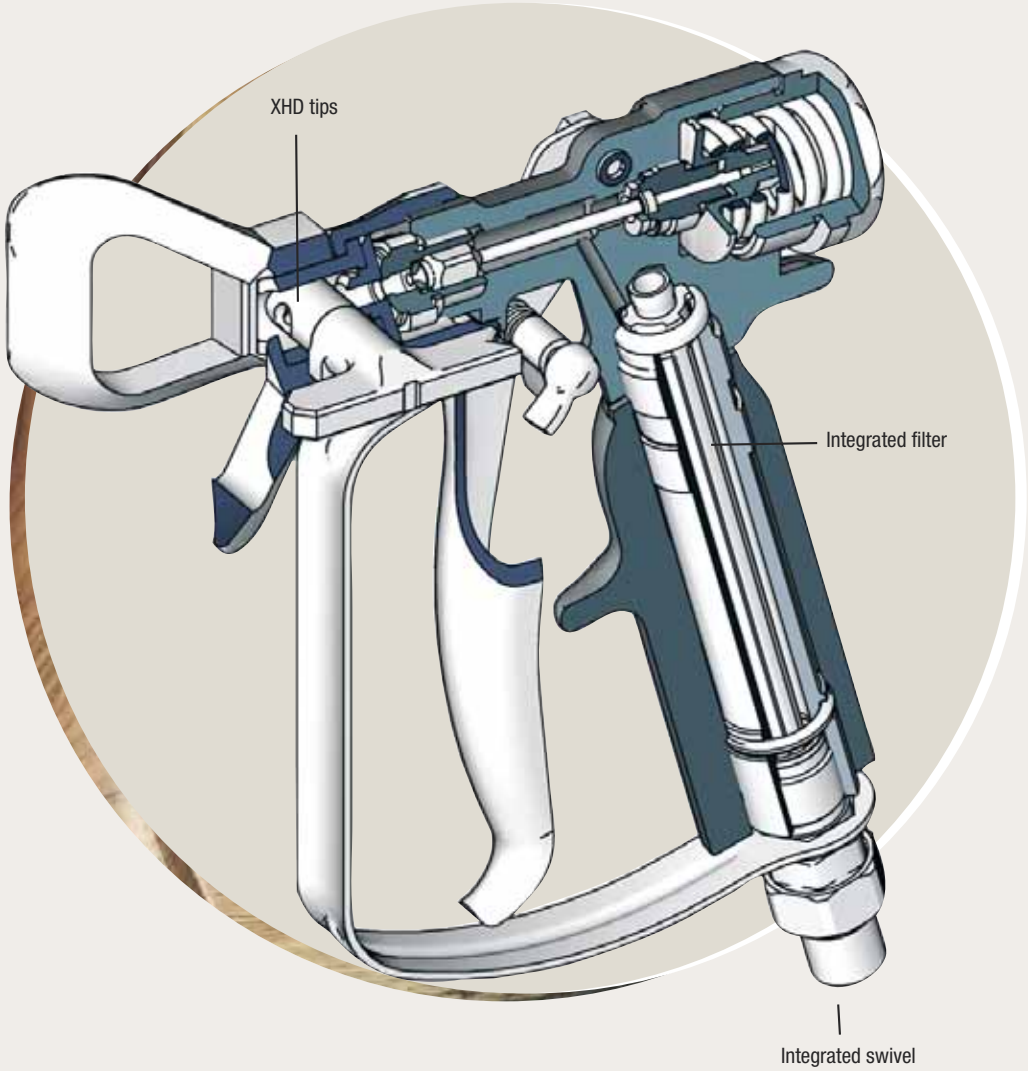
XTR™ Airless Spray Guns
Rugged design to handle the toughest protective coatings

- Built for extreme conditions
- Compact design allows for easy manoeuverability
- 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*

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 .... 71º C (160º 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

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	180º 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**

Air-driven
alternator

Voltage
current
display

Flexible
electrode

Comfort
handle
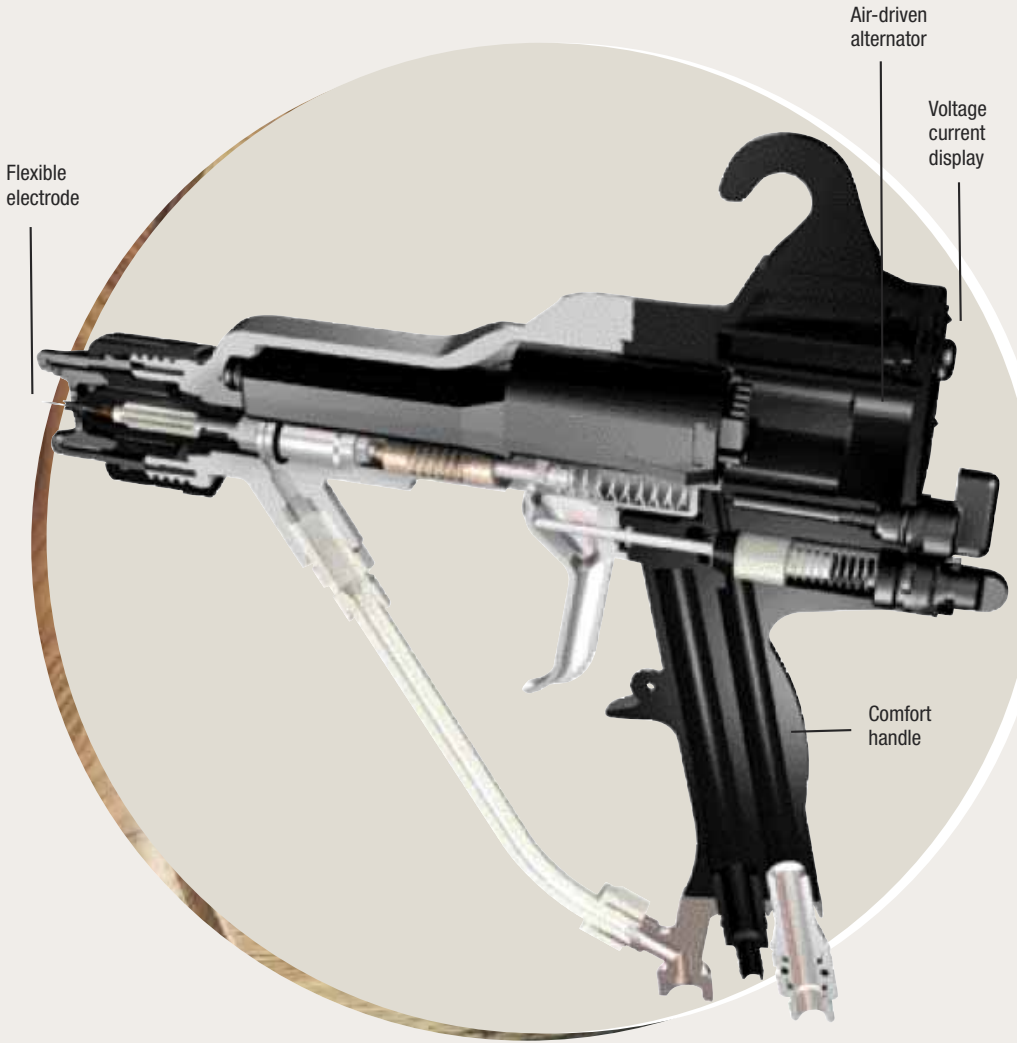
Introduction

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

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

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

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

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

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. .... 48.8º C (120º 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

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)

PRO Auto Xs
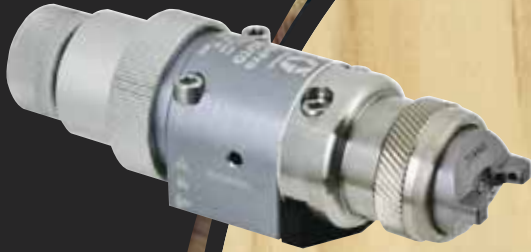
Automatic Guns

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 aircaps 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

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
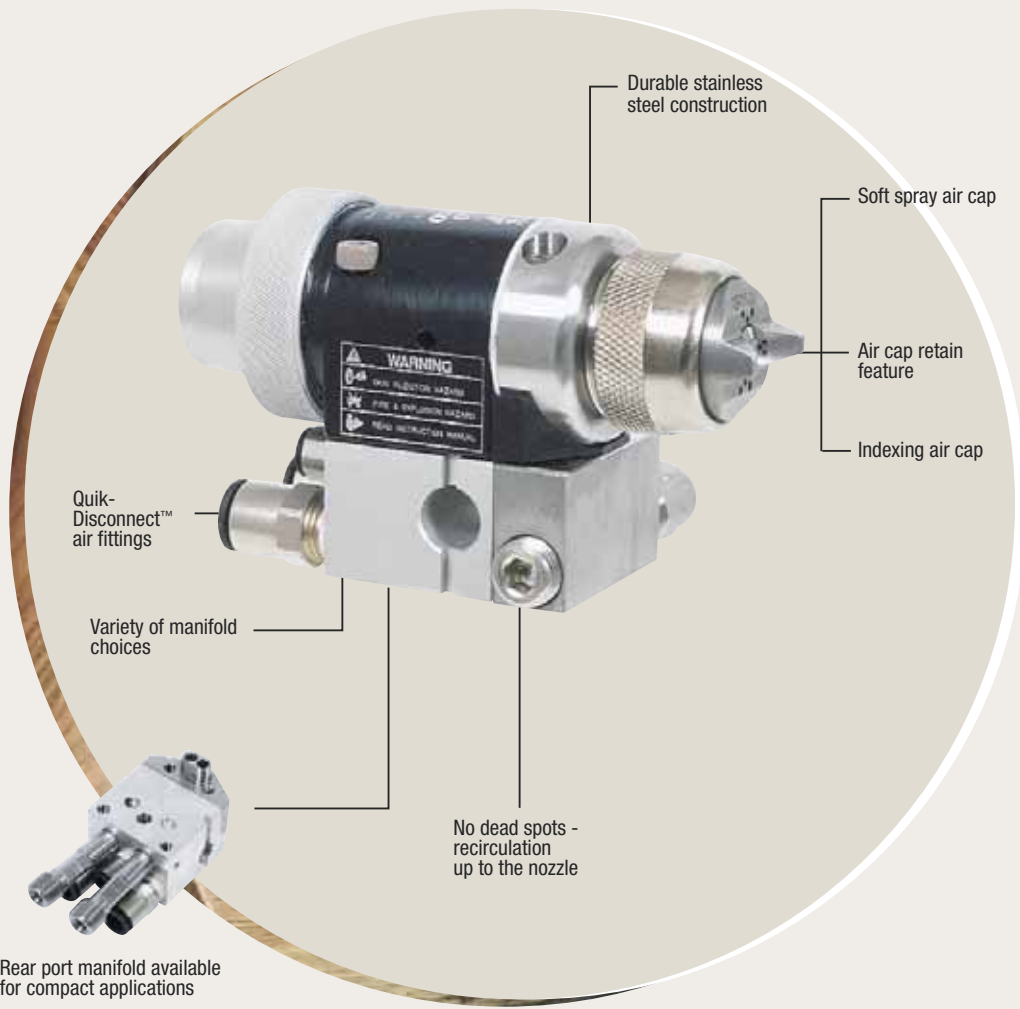
Durable stainless
steel construction

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

WARNING

SKIN INJECTION HAZARD

FIRE & EXPLOSION HAZARD

READ INSTRUCTION MANUAL

Introduction

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

Durable stainless steel
construction

Increase production speeds
and finish quality

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

AUTOMATIC GUNS • AL

Ordering Information

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

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

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 m³/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

Santoprene is a registered trademark of Exxon Mobil
Advanced Elastomer Systems, L.P.

Instruction Manual

Pressure Pot Instruction Manual 308369

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**
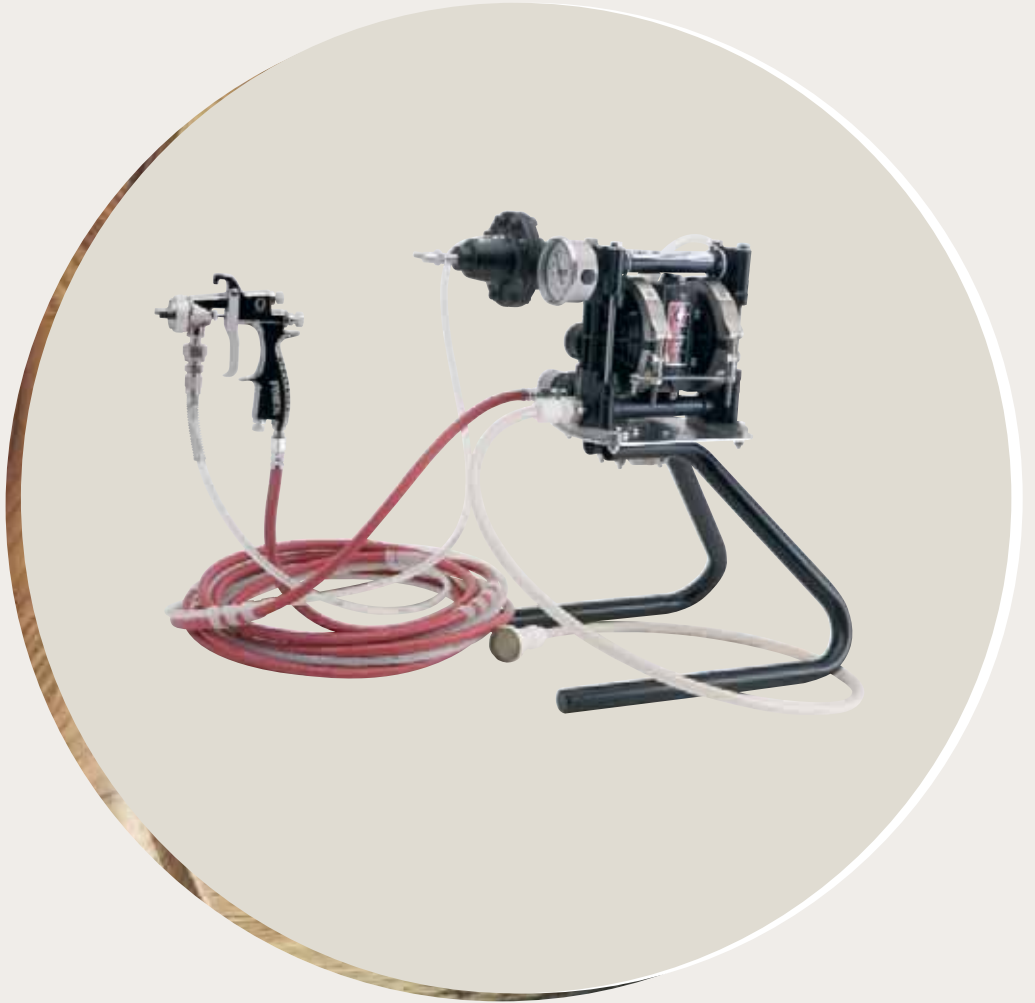
Units

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, HVLP,
  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

Flexible, lightweight air hose
• Reduces operator fatigue

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

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

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

Spray

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 (149µ) (3 Pcs)
238563   Replacement Inlet Filter (205265), 60 Mesh (250µ) (3 Pcs)
236450   Regulator, A/S, SS Gauge
111911   Surge Filter Unit - Strainer Line

Accessories

114361   Nylon Fluid Filter 80 Mesh (177µ)
235677   Aluminum Fluid Filter 60 Mesh (250µ)
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
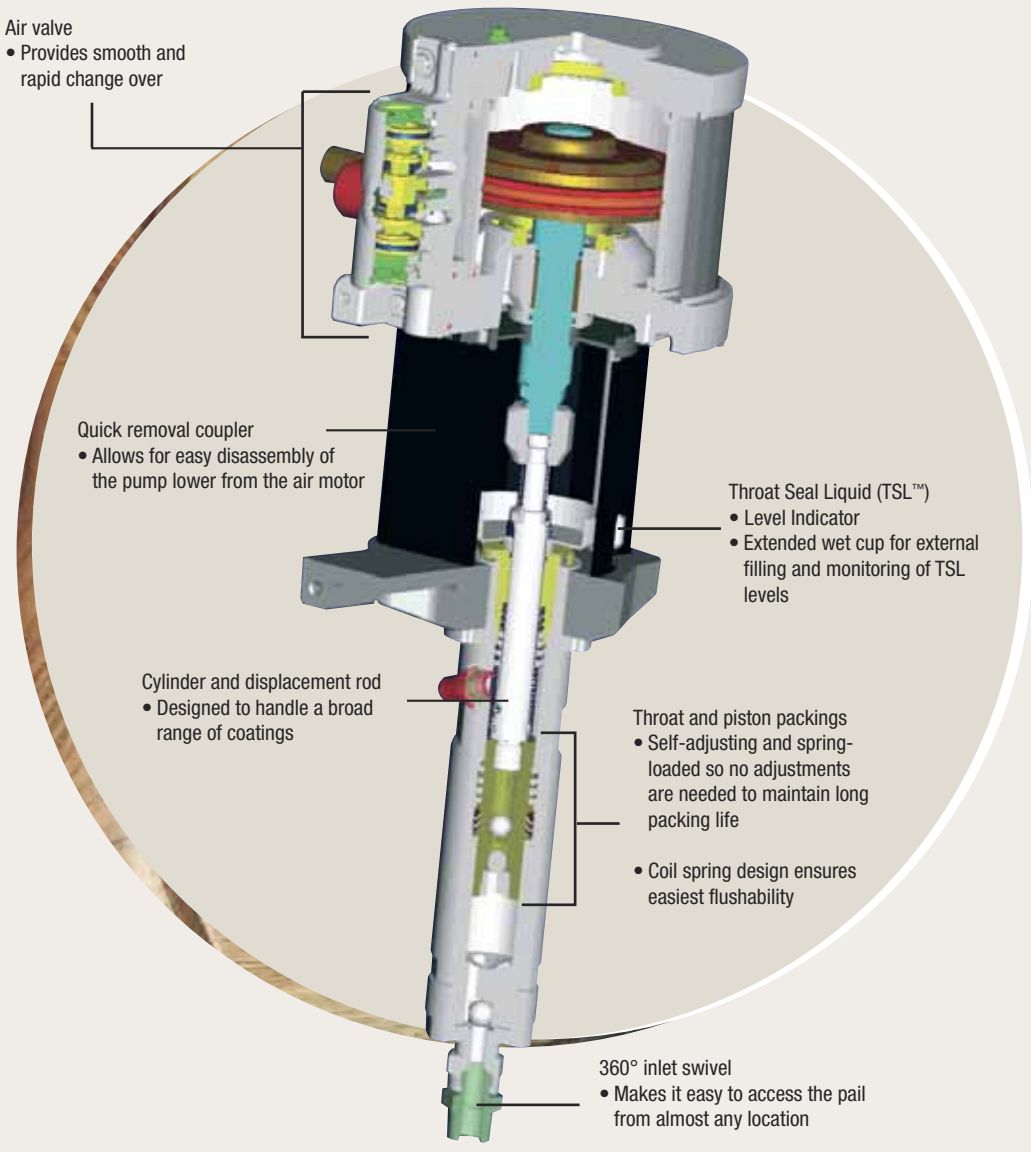**239622**   Fluid Whip Hose Assembly, 3/8", 1.2 m

TRITON

Merkur™

High Performance
High Quality Finish
Spray Packages

Air valve
• Provides smooth and
  rapid change over

Quick removal coupler
• Allows for easy disassembly of
  the pump lower from the air motor

Throat Seal Liquid (TSL™)
• Level Indicator
• Extended wet cup for external
  filling and monitoring of TSL
  levels

Cylinder and displacement rod
• Designed to handle a broad
  range of coatings

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

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

MERKUR

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)

Flow @ 60 cpm

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

MERKUR

Flow @ 60 cpm

Ordering Information

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

Part Number	Description
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

Flow @ 60 cpm

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

Flow @ 60 cpm

Ordering Information

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

Part Number	Description
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
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

Flow @ 60 cpm

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

Flow @ 60 cpm

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

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

Flow @ 60 cpm

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

Part Number	Description
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
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
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

Flow @ 60 cpm

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)	2.3 lpm (4.5 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)

Orion®

Bellows Pumps

Leak Free Design

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

Quiet air motor and muffler
• Extremely low sound
  level operation

Upside-down design
• High suction capability
• Easy to clean and rinse

Precision air motor control
• Excellent control at low input pressure
  for fine-finish applications

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

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

	Orion 15:1	Orion 28:1
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

	Orion 15:1	Orion 28:1
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

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

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

ProMix Easy

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 ±1% with the meter version and ±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 ef-
ficiency. The flexible manifold design allows you to run single or mul-
tiple pumps and meters.

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)

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

* 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 EASY
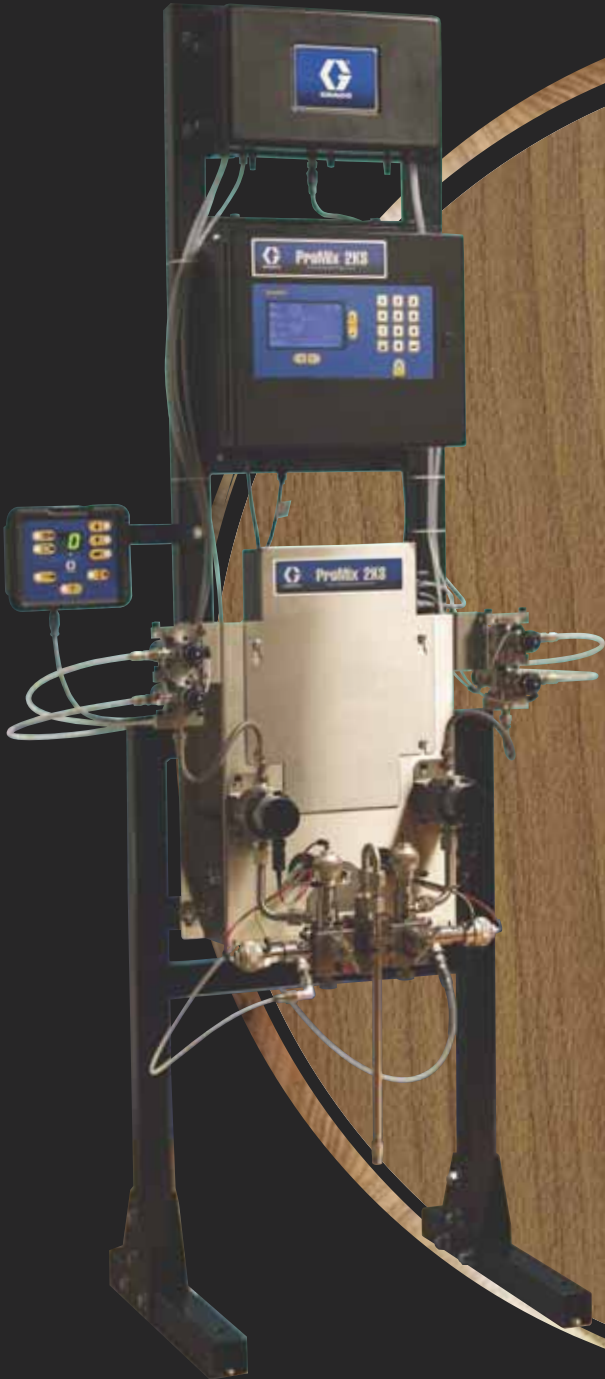
ProMix™ 2KS

Two-Component Electronic Proportioning System

Manual
and automatic
configurated

Accurate ratio for
superior finish quality

Single or multi-colour
catalyst

Intrinsically safe fluid
panels allow for integration
into hazardous areas

Easy to flush fluid box

Sequential and dynamic
dosing possible

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.

PROMIX 2KS

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 ±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

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

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 ± 1.7° 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

AGITATORS & HEATERS

Notes
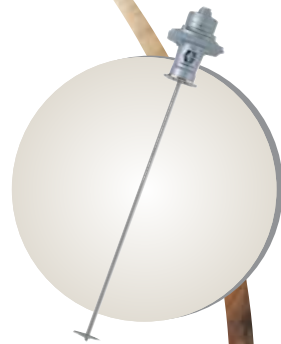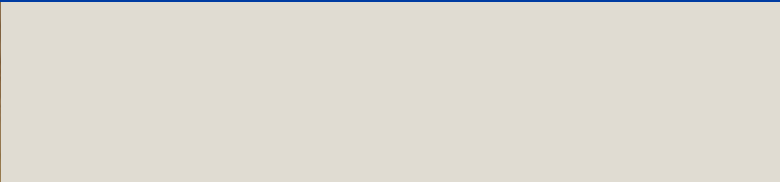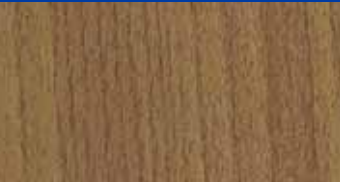
ABOUT GRACO

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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Graco is certified ISO 9001.

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