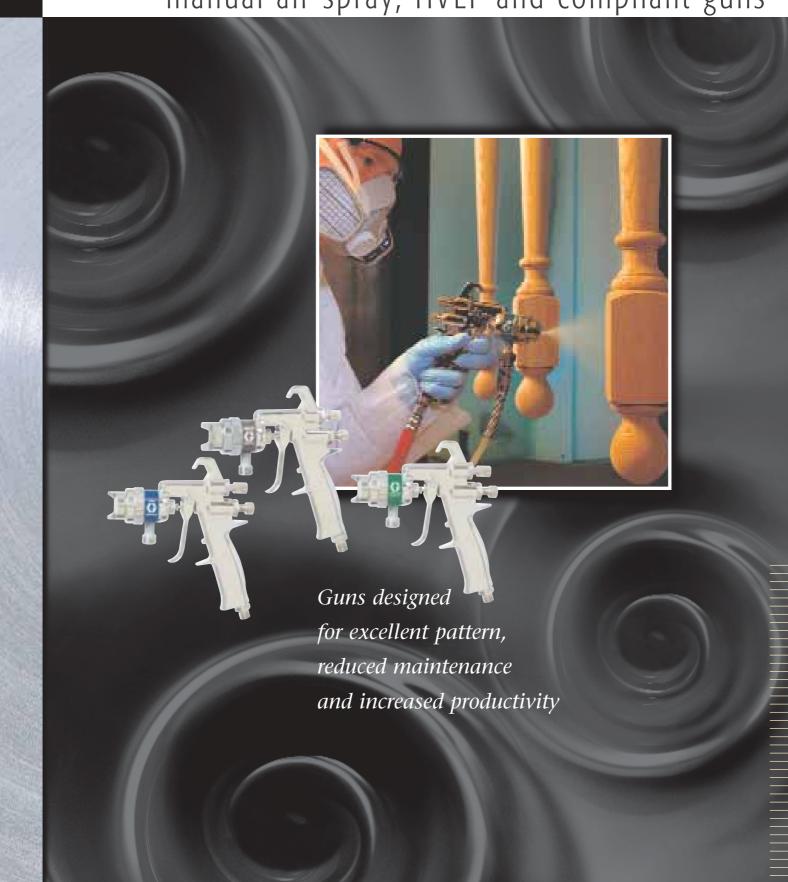


DELTA SPRAY® XT

manual air spray, HVLP and compliant guns



The Evolution of Air Spray



Apply a superior and consistent finish with Graco's Delta Spray XT guns! They handle almost everything from the harshest of coatings to waterborne materials. With Graco's XT guns, you are assured higher productivity, less maintenance and downtime, and excellent finish quality – every time you spray!

The XT Series Offers:

- A superior finish quality
- A consistent spray pattern
- · Increased flow for higher productivity
- Fewer parts for less maintenance and downtime

Increased Performance and Productivity

Typical Applications

Aerospace
Auto assembly and feeder
General metal
Truck and bus
Wood finishing

Typical Materials

Sealants and adhesives
Epoxies
High solids
Latex
NGR stains
Primers
Solventborne coatings
Topcoats
Waterborne coatings

2K urethanes





XT SERIES

XT Air Spray

The Most Widely-Used Finishing Technology!

- · Class A or automotive finish
- Easy to use, flexible and provides the finest finish quality
- · Offers the fastest production line speed



FINISH QUALITY ' BEST TRANSFER EFFICIENCY ' GOOD FLOW ' BEST

XT HVLP

Meets European Environmental Regulations!

- A more controlled high volume low pressure air spray technology
- Excellent atomization and high transfer efficiency
- Reduces bounce-back and over spray



FINISH QUALITY 'GOOD TRANSFER EFFICIENCY 'BEST FLOW 'GOOD

XT Compliant

Meets European Environmental Regulations!

- A controlled reduced pressure air spray technology
- Offers less bounce-back and over spray than air spray
- Lower air consumption and higher spray rates than HVLP
- High transfer efficiency to meet European V.O.C. regulations.



FINISH QUALITY 'BETTER
TRANSFER EFFICIENCY 'BETTER
FLOW 'BETTER



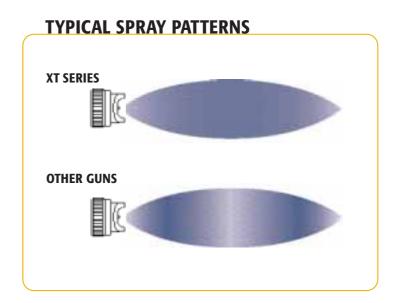
Simply a Better Gun

Consistent Spray Pattern

- State-of-the-art fluid section provides superior spray pattern
- Even build provides corrosion resistance for metals and eliminates striping often associated with stains
- Newly designed nozzle and air cap seating is perfectly centered to provide consistent particle size and pattern density
- Strict manufacturing tolerances make it easy to interchange nozzles and fluid tips without sacrificing performance

Less Maintenance and Down Time

- Get longer life and do less maintenance with XT's hardened stainless steel nozzle and needle tip
- Dual valve design reduces the number of operating parts for less maintenance and downtime
- Removable needle tip reduces repair costs





Remove the front cup and nozzle using a single tool



Easily remove needle assembly



Lowest number of parts in the industry means lower life cycle costs

Higher Productivity

- · Less spray overlap means parts are sprayed faster
- Compared to HVLP, compliant guns offer similar transfer efficiencies with higher line speeds
- Ergonomic design means operators are more comfortable for increased productivity
- Fan pattern and fluid flow are quick and easy to adjust
- · Larger fluid intake allows for maximum speed



Designed for Superior Finish Quality!

DELTA XT

1. State-of-the-art Fluid Section
Provides a superior finish quality

2. New Ring Design

Prevents air cap from moving while tightening

3. Removable Needle Tip

Reduces repair costs

4. Improved Air Cap and Nozzle Seating

Maintains pattern consistency, increases product longevity with stainless steel construction, and reduces inventory with common nozzle sizes

5. More Robust Fluid Intake

Fluid intake allows up to 21 bar (2.1 MPa, 300 PSI)

6. Dual Valve Design

Decreases the number of parts for less maintenance, and reduces the overall weight of the gun

7. Ergonomic Design

Smooth curved handle improves operator comfort, reduces fatigue and makes clean up easy

8. Easy Adjustments

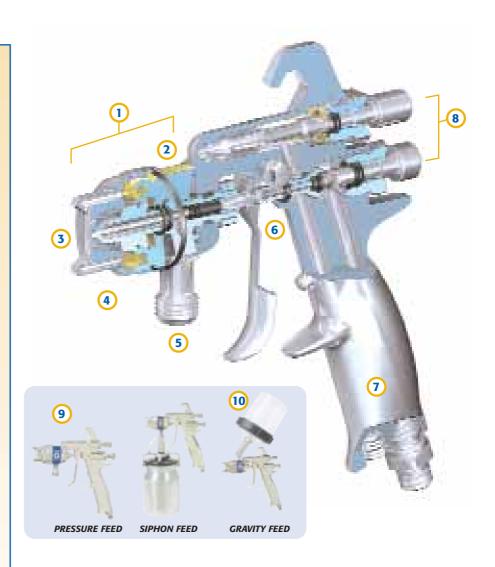
Quickly and easily adjust the fan pattern and fluid flow

9. Feed Options

Choose from pressure, siphon or gravity feed

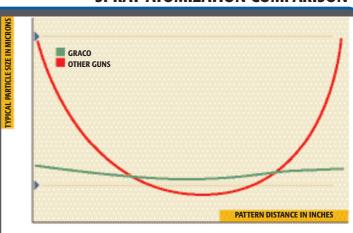
10. Gravity Feed Cup

Reduces cleaning and labour costs



SPRAY ATOMIZATION COMPARISON

The Delta Spray XT Series not only offers an outstanding pattern balance, but it is also very consistent. The fluid particles remain the same size from one side of the spray pattern to the other – delivering an outstanding finish every time!



Reduce Cleaning and Labour Costs

NEW 3M™ PPS™ Cup with Disposable Liner From Graco!

Reduce your cleaning solvent usage by 70% and your cleaning labour by 80% with this new disposable (Paint Preparation System) cup!

- A faster system for mixing and disposal
- · One cup for measuring, mixing and spraying
- Conveniently functions at any angle even upside down
- Reduces coatings usage by increasing transfer efficiency
- Strains as you spray by incorporating a filter/screen in the lid
- Closed system provides protection from outside contamination
- · Locking collar prevents spills
- Available in three sizes, 150 ml, 650 ml and 850 ml.



CAN BE MOUNTED FOR SIPHON OR GRAVITY FEED!

Save Using Graco's Disposable Cup

STANDARD CUP		
Items Per Gun Cleaning Plastic Mixing Cups Paint Strainers	+	€ .35 € .05
Total Items Cost (Per Cleaning)	=	€.40
Gun & Cup Cleaning Solvent 1 liter solvent @ € 2.00 Solvent in liter (Per Cleaning) Total Solvent Cost (Per Cleaning)	x =	€ 2.00 0.4 I € 0.80
Hazardous Solvent Waste Removal 1 liter Waste Solvent @ € 1.80 Waste Solvent (Per Cleaning) Waste Removal Cost (Per Cleaning)	x =	€ 1.80 0.4 l € 0.72
Coating Waste 1 liter of Coating Material @ € 12.00 Wasted Material Total Waste Coating (Per Cleaning)	x =	€ 12.00 0.05 l € 0.60
Total Material Cost (Per Cleaning)		€ 2.52
Labour Per Cleaning Shop Labour Rate (Per Minute) Time to Clean Gun (Per Minute)	x	€ 0.50
Total Labour Cost (Per Cleaning) Total Cost Per Gun Cleaning	i	€ 5.00 € 7.52

3M [™] PPS [™] CUP from GRA	CO	
Items Per Gun Cleaning		
3M [™] PPS [™] Lid, Strainer & Liner		€ 1.80
Gun Cleaning Solvent		
1 liter Solvent @ € 2.00	×	€ 2.00
Solvent in liter (Per Cleaning)		0.1
Total Solvent Cost (Per Cleaning)	=[€ 0.20
Hazardous Solvent Waste Remov	/al	
1 liter Waste Solvent @ € 1.80	. [€ 1.8
Waste Solvent (Per Cleaning)	X	0.1
Waste Removal Cost	=[€ 0.18
Unused Coating Waste		
Total Waste Materials (Per Cleaning)		€0
Total Materials Cost (Per Cleaning)	=[€ 2.18
Labour Per Cleaning		
Shop Labour Rate (Per Minute)		€ 0.50
Time to Clean Gun (Per Minute)	X	3
Total Labour Cost (Per Cleaning)	=	€ 1.50
Total Cost Per Gun Cleaning	Г	€ 3.68

Save up to € 3.84 per gun cleaning – that's over € 1690 per year!

(2 cleanings/day, 220 working days)

Complete Systems

Enhance Your System Performance

Quality pumps enhance any finishing system. Graco offers a variety of pumps and packages to meet the needs of your low to high volume applications, and to increase productivity.





PRESSURE POTS ESSURE POTS

- Ideal for low to high volume, dedicated colour or fine finish applications (i.e., 1-350 liter used daily)
- Low pulsation, high quality finish
- Simple, no moving parts

Ideal for medium to high volume fine finish applications (i.e., 4 l/day or less) Easy-to-use, air operated diaphragm pump Lowest pulsation diaphragm pump in the market

PUMPS RAY PACKAGES

- Ability to recirculate material
- Quick to colour change, clean and refill
- Cost equivalent to 40 liter SST pressure tank
- Rugged stainless steel or aluminum construction

Guns For Every Application

SPRAY GUNS

Whatever your application, Graco has the product solution! Choose from our complete line of spray guns and take your finishing to the next level of performance!

ALPHA AND ALPHA PLUS AIR-ASSIST

- Excellent transfer efficiency at high production speeds
- Small, lightweight and well-balanced for operator comfort
- Stainless steel construction for acid-catalyzed and waterborne materials
- Alpha Plus model offers Reverse-A-Clean (RAC*) tip designed to minimize tip plugging

SILVER PLUS AIRLESS

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

PRO XS ELECTROSTATIC

- Light weight gun with excellent spraying control
- Full range of electrostatic spraying capabilities
- Air-powered gun for easy installation and service
- Up to 55% higher transfer efficiency than conventional guns









Accessories

239631 Air Whip Hose Assembly

Max. working pressure: 7 bar (0.7 MPa, 100 psi). Easier gun movement with increased hose flexibility. Length: 1.2 m (4 ft). ID: 5/16 in (7.9 mm) Swivel: 1/4 npsm(f), nitrile

239636 4.6 m (15 ft) Air Hose Assembly

Max. working pressure: 7 bar (0.7 MPa, 100 psi). ID: 5/16 in (7.9 mm) Swivel: 1/4 npsm(f), nitrile

239637 7.6 m (25 ft) Air Hose Assembly

Max. working pressure: 7 bar (0.7 MPa, 100 psi). ID: 5/16 in (7.9 mm) Swivel: 1/4 npsm(f), nitrile

239622 Fluid Whip Hose Assembly

Max. working pressure: 7 bar (0.7 MPa, 100 psi). ID: 3/16 in (4.8 mm). 3/8 npsm(fbe), nylon with polyurethane cover

239633 4.6 m (15 ft) Fluid Hose Assembly

Max. working pressure: 7 bar (0.7 MPa, 100 psi). ID: 3/16 in (4.8 mm). 3/8 npsm(fbe), nylon with polyurethane cover

239634 7.6 m (25 ft) Fluid Hose Assembly

Max. working pressure: 7 bar (0.7 MPa, 100 psi). ID: 3/16 in (4.8 mm). 3/8 npsm(fbe), nylon with polyurethane cover

243670 Air Control Valve Kit (Cheater Valve)

Install on the gun air inlet to control both atomizing air and pressure in the spray gun cup (if used).

234784 High Output Air Control Valve Kit with Gauge

Install on the gun air inlet to control atomising air 1/4" NPS(F) x 1/4" NPS(M) (swivel nut)

235119 Gun Air Regulator Assembly

Air regulator 0-7 bar (0.7 MPa, 0-100 psi) to control air pressure to the gun. Note: Installing the gun air regulator adds a pressure drop that could limit the air cap pressure.

239714 474 cc (16 oz) Gravity Cup Kit

For use with gravity feed gun. Nylon cup, 304 SST 3/8 -19 BSP fluid inlet fitting and fluid filter cartridge included.

239715 237 cc (8 oz) Gravity Cup Kit

For use with gravity feed gun. Nylon cup, 304 SST 3/8 -19BSP fluid inlet fitting and fluid filter cartridge included.

112490 Disposable Polyethylene Cup Liners

0.9 l (1 qt) capacity, paint and solvent resistant. Must be used with pressure and siphon cups. 40 liners per box.

192407 Gravity Cup Holder Bracket

239802 SST Pressure Cup with Single Air Regulator

0.9 l (1 qt) capacity, 304 SST cup. Includes a pressure relief valve and a single cup air regulator and gauge.

239803 SST Pressure Cup with Double Air Regulator

0.9 | (1 qt) capacity, 304 SST cup. Includes a pressure relief valve, a 0-7 bar (0-0.7 MPa, 0-100 psi) air regulator for gun atomization, and 0-1.0 bar (0-104 kPa, 0-15 psi) air regulator for the 0.9 | (1 qt) pressure cup air supply.

239804 Remote SST Pressure Cup

0.9 l (1 qt) capacity, 304 SST cup. Includes air pressure regulator and gauge, 1.2 m (4 ft) length air and fluid hose with 1/4 npsm(f) swivel ends, pressure relief valve and rigid hook handle.

234828 Repair Kit

O-rings, fluid packings, u-cups and air valve

3M's PPS™ Accessories from Graco

234941 150 ml (6 oz) 3M PPS Cup and Collar (box of 8) For use with gravity and siphon feed guns.

234940 150 ml (6 oz) 3M PPS Lid and Liner (box of 50) 150 ml cup liner

234771 650 ml (25 oz) 3M PPS Cup and Collar (box of 8)
For use with gravity and siphon feed guns.

234772 650 ml (25 oz) 3M PPS Lid and Liner (box of 50) 650 ml cup liner

234937 850 ml (32 oz) 3M PPS Cup and Collar (box of 4)For use with gravity and siphon feed guns.

234938 850 ml (32 oz) 3M PPS Lid and Liner (box of 25) 850 ml cup liner

234837 3M PPS Kit (one each: cup, collar, lid, liner, adapter)Gravity Kit 650 ml (25 oz)

234773 3M PPS Kit (one each: cup, collar, lid, liner, adapter) Siphon Kit 650 ml (25 oz)

15E470 3M PPS Lid Dispenser

15E469 3M PPS Liner Dispenser

15E467 3M PPS Gun Tray

15D684 3M PPS Siphon Feed Adapter

15C464 3M PPS Gravity Feed Adapter

How to Order?

- 1 Determine technology required (Air Spray, HVLP or Compliant)
- 2 Determine type of feed (Pressure, Siphon or Gravity)
- 3 Select material viscosity
- 4 Select average flow rate
- 5 Select optional pattern width

Ordering Information

•						
AIR SPRAY GUNS	88-45-1	Plan.	D-44	0.55	D. of No.	. 1
Feed	Material	Flow	Pattern	Orifice	Part Nun	
Туре	Viscosity	oz/min (l/min)	Width	Size	Assembly	Air Cap
			in (mm)	in (mm)		
Pressure	light stains	4-12 (0.12-0.36)	15 (381)	0.030 (0.762)	234636	234757
Pressure	light-medium	8-20 (0.24-0.60)	17 (432)	0.042 (1.067)	234637	234757
Pressure	medium	16-30 (0.48-0.90)	17 (432)	0.055 (1.397)	234638	234757
Pressure	medium-heavy	16-35 (0.48-1.05)	18 (457)	0.070 (1.778)	234639	234757
Pressure	heavy	16-40 (0.48-1.20)	13 (330)	0.086 (2.184)	234640	234760
Pressure	heavy	16-45 (0.48-1.35)	11 (279)	0.110 (2.790)	234641	234761
Pressure (SST Needle Ti	p) light-medium	8-20 (0.24-0.60)	17 (432)	0.042 (1.067)	234644	234757
Pressure (SST Needle Ti	p) medium	16-30 (0.48-0.90)	17 (432)	0.055 (1.397)	234645	234757
Pressure (SST Needle Ti	p) medium–heavy	16-35 (0.48-1.05)	18 (457)	0.070 (1.778)	234646	234757
Spatter	light-medium	8-20 (0.24-0.60)	N/A	0.042 (1.067)	234788	196109
Siphon	light	4-10 (0.12-0.30)	10 (254)	0.055 (1.397)	234642	234759
Siphon	light-medium	8-12 (0.24-0.36)	10 (254)	0.070 (1.778)	234643	234759
Siphon w/cup (0.9 l)	light	4-10 (0.12-0.30)	10 (254)	0.055 (1.397)	234717	234759
Siphon w/cup (0.9 l)	light-medium	8-12 (0.24-0.36)	10 (254)	0.070 (1.778)	234718	234759
Gravity	light-medium	4-10 (0.12-0.30)	9 (229)	0.055 (1.397)	234662	234759
Gravity	light-medium	8-12 (0.24-0.36)	9 (229)	0.070 (1.778)	234663	234759
Gravity w/cup (474cc)	light-medium	4-10 (0.12-0.30)	9 (229)	0.055 (1.397)	234705	234759
Gravity w/cup (474cc)	light-medium	8-12 (0.24-0.36)	9 (229)	0.070 (1.778)	234706	234759
Gravity / PPS cup (650 i	ml)light-medium	4-10 (0.12-0.30)	9 (229)	0.055 (1.397)	234677	234759
Gravity / PPS cup (650 i	ml)light-medium	8-12 (0.24-0.36)	9 (229)	0.070 (1.778)	234678	234759

HVLP GUNS						
Feed	Material	Flow	Pattern	Orifice	Part Numbe	ers
Туре	Viscosity	oz/min (l/min)	Width	Size	Assembly	Air Cap
		in (mm)	in (mm)		_	-
Pressure	light	4-10 (0.12-0.30)	15 (381)	0.030 (0.762)	234647	234753
Pressure	light-medium	8-14 (0.24-0.42)	16 (406)	0.042 (1.067)	234648	234753
Pressure	medium	12-18 (0.36-0.54)	16 (406)	0.055 (1.397)	234649	234753
Pressure	medium-heavy	16-20 (0.48-0.60)	17 (432)	0.070 (1.778)	234650	234753
Pressure	heavy	18-22 (0.54-0.66)	17 (432)	0.086 (2.184)	234651	234754
Pressure	heavy	20-24 (0.60-0.72)	18 (457)	0.110 (2.790)	234652	234755
Pressure (SST Needle Tip	o) light-medium	8-14 (0.24-0.42)	16 (406)	0.042 (1.067)	234653	234753
Pressure (SST Needle Tip	o) medium	12-18 (0.36-0.54)	16 (406)	0.055 (1.397)	234654	234753
Pressure (SST Needle Tip	o) medium–heavy	16-20 (0.48-0.60)	17 (432)	0.070 (1.778)	234655	234753
Pressure w/cup (0.9 l)	light-medium	8-14 (0.24-0.42)	16 (406)	0.042 (1.067)	234709	234753
Pressure w/cup (0.9 l)	medium	12-18 (0.36-0.54)	16 (406)	0.055 (1.397)	234710	234753
Pressure w/cup (0.9 l)	medium-heavy	16-20 (0.48-0.60)	17 (432)	0.070 (1.778)	234711	234754
Pressure w/cup (0.9 l)	heavy	18-22 (0.54-0.66)	17 (432)	0.086 (2.184)	234712	234754
Gravity	light-medium	3-5 (0.09-0.15)	14 (356)	0.055 (1.397)	234658	234752
Gravity	light-medium	4-6 (0.12-0.18)	16 (406)	0.070 (1.778)	234659	234752
Gravity w/cup (474 cc)	light-medium	3-5 (0.09-0.15)	14 (356)	0.055 (1.397)	234713	234752
Gravity w/cup (474 cc)	light-medium	4-6 (0.12-0.18)	16 (406)	0.070 (1.778)	234714	234752
Gravity / PPS cup (650 n	nl)light-medium	3-5 (0.09-0.15)	14 (356)	0.055 (1.397)	234681	234752
Gravity / PPS cup (650 n	nl)light-medium	4-6 (0.12-0.18)	16 (406)	0.070 (1.778)	234682	234752





Ordering Information

COMPLIANT*

Feed	Material	Flow	Pattern	Orifice	Part Nu	mbers
Туре	Viscosity	oz/min (l/min)	Width	Size	Assembly	Air Cap
		in (mm)	in (mm)			
Pressure	light	4-10 (0.12-0.30)	15 (381)	0.030 (0.762)	234693	234762
Pressure	light-medium	8-14 (0.24-0.42)	16 (406)	0.042 (1.067)	234694	234762
Pressure	medium	12-18 (0.36-0.54)	16 (406)	0.055 (1.397)	234695	234762
Pressure	medium-heavy	16-20 (0.48-0.60)	17 (432)	0.070 (1.778)	234696	234762
Siphon	light	4-10 (0.12-0.30)	10 (254)	0.055 (1.397)		234762
Siphon	light-medium	8-12 (0.24-0.36)	10 (254)	0.070 (1.778)		234762
Siphon w/cup (0.9 l)	light	4-10 (0.12-0.30)	10 (254)	0.055 (1.397)	234732	234762
Siphon w/cup (0.9 l)	light-medium	8-12 (0.24-0.36)	10 (254)	0.070 (1.778)	234733	234762
Gravity	light-medium	3-5 (0.09-0.15)	14 (356)	0.055 (1.397)	234685	234762
Gravity	light-medium	4-6 (0.12-0.18)	16 (406)	0.070 (1.778)	234686	234762
Gravity w/cup (474cc)	light-medium	3-5 (0.09-0.15)	14 (356)	0.055 (1.397)	234721	234762
Gravity w/cup (474 ccl)	light-medium	4-6 (0.12-0.18)	16 (406)	0.070 (1.778)	234722	234762
Gravity / PPS cup (650 ml)	light-medium	3-5 (0.09-0.15)	14 (356)	0.055 (1.397)	234689	234762
Gravity / PPS cup (650 ml)	light-medium	4-6 (0.12-0.18)	16 (406)	0.070 (1.778)	234690	234762



NOZZLES/NEEDLES/NEEDLE TIPS (HVLP, AIR SPRAY & COMPLIANT)

Orifice Size	Nozzle	Needle Assembly	Needle Tip	Needle/Nozzle Kit
0.030 (0.762)	234741	234765	234777	234829
0.042 (1.067)	234742			234830
0.051 (1.296)	234743	234767	234778	234831
0.055 (1.397)	234744			234832
0.059 (1.499)	234745			234833
0.070 (1.778)	234746			234834
0.086 (2.184)	234747	234769	234779	234835
0.110 (2.790)	234748	234770	234780	234836
0.042 (SST Needle Tip)	234749	234766	234781	234774
0.055 (SST Needle Tip)	234750	234768	234782	234775
0.070 (SST Needle Tip)	234751			234776
0.042 (1.067) (spatter)	15E139	234765	234777	

Technical Specifications

Maximum fluid pressure Maximum working air pressure Fluid and air temperature range Weight Air Inlet	
Fluid inlet	
Dimensions	
Typical compliant inbound air pressure	, in the second of the second
HVLP	2.8 bar (40 psi)
Compliant	
Air consumption	
Air Spray	
HVLP	650 lpm (23 scfm)
Compliant	310 lpm (11 scfm)
Instruction Manual	

^{*} Tested to EN13966



ABOUT GRACO

PROVEN QUALITY. LEADING TECHNOLOGY.

Founded in 1926, Graco is among the leading group 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 first-class customer service. Working closely with qualified distributors, Graco offers systems, products and technology which set quality standards 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 HEADQUARTERS

AMERICAS

MINNESOTA Worldwide Headquarters Graco Inc. 88-11th Avenue N.E. Minneapolis, MN 55413

MAILING ADDRESS P.O. Box 1441 Minneapolis, MN 55440-1441 Tel 612 623-6000 Fax 612 623-6777

EUROPE

BELGIUM European Headquarters Graco N.V. Industrieterrein Oude Bunders Slakweidestraat 31 3630 Maasmechelen, Belgium Tel 32 89 770 700 Fax 32 89 770 777 E-mail: info@graco.be

ASIA PACIFIC

JAPAN Graco K.K. 1-27-12 Hayabuchi Tsuzuki-ku Yokohama City, Japan 2240025 Tel 81 45 593 7300 Fax 81 45 593 7301

CHINA

Graco Hong Kong Ltd. Representative Office, Room 118 1st Floor No. 2 Xin Yuan Building No. 509 Cao Bao Road Shanghai, P.R.China 200233 Tel 86 21 649 50088 Fax 86 21 649 50077

KOREA Graco Korea Inc. Choheung Bank building, 4th Floor #1599, Gwanyang-Dong, Dongn-Ku Anyang-Si, Gyunggi-Do Korea 431-060

Tel 82-31-476-9400 Fax 82-31-476-9801

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

Graco is certified ISO 9001.



GRACO N.V.
Industrieterrein Oude Bunders
Slakweidestraat 31 ● B-3630 Maasmechelen
Tel: +32 (89) 770 700 ● Fax: +32 (89) 770 777
E-mail: info@graco.be ● Internet: www.graco.be