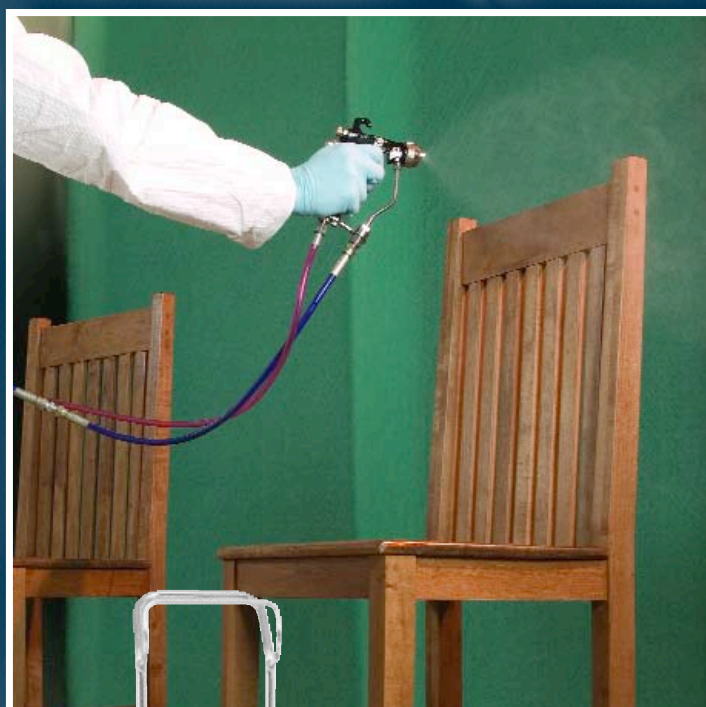




MERKUR™

the pump technology
for high quality finishing applications



Today's Investment for Future Challenges

Features

- All stainless steel pump construction
- Low pulsation output, high flow rate delivery
- Low sound level air motor operation
- Wide range of pump ratios available including 15:1, 20:1, 30:1 and 40:1
- Enclosed throat seal and rod
- Self-adjusting pump packings

Benefits

- Handles a wide range of fluids
- Consistent pattern and films on parts; multiple gun capabilities
- Improves working conditions
- Higher pump ratios deliver a full range of material viscosities
- Contamination protection
- Less service downtime



MERKUR

**Bare Pump, Wall or Cart Mount:
The Best Choice for Decorative Finishing Applications.**

More Power, Less Pulsation!

- High output fluid delivery models
- up to 50 cc per stroke.

Excellent Finish!

- Low pulsation and smooth pump changeover
- Comes with the AA-Series G15 or G40

Key Applications

- Wood furniture
- Wood cabinets
- General metal
- Spraying as well waterborne and solventborne as also 1K and 2K materials.

Simple Handling and Service

- Easy-to-flush design allows for fast color changes and reduced solvent usage
- Quick knock-down pump requires minimal tools and service time

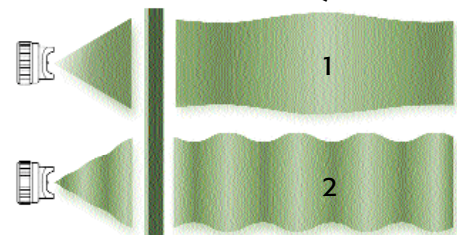
Lasting Durability Saves Money

- All wetted parts in Stainless Steel construction
- Low cycle rate operation increases pump life
- Unique rod and seal design enhances product life
- Low air consumption



Merkur 30:1
Cart Mount Package
233919

LOW PULSATION OUTPUT FOR EXCELLENT FINISH QUALITY!

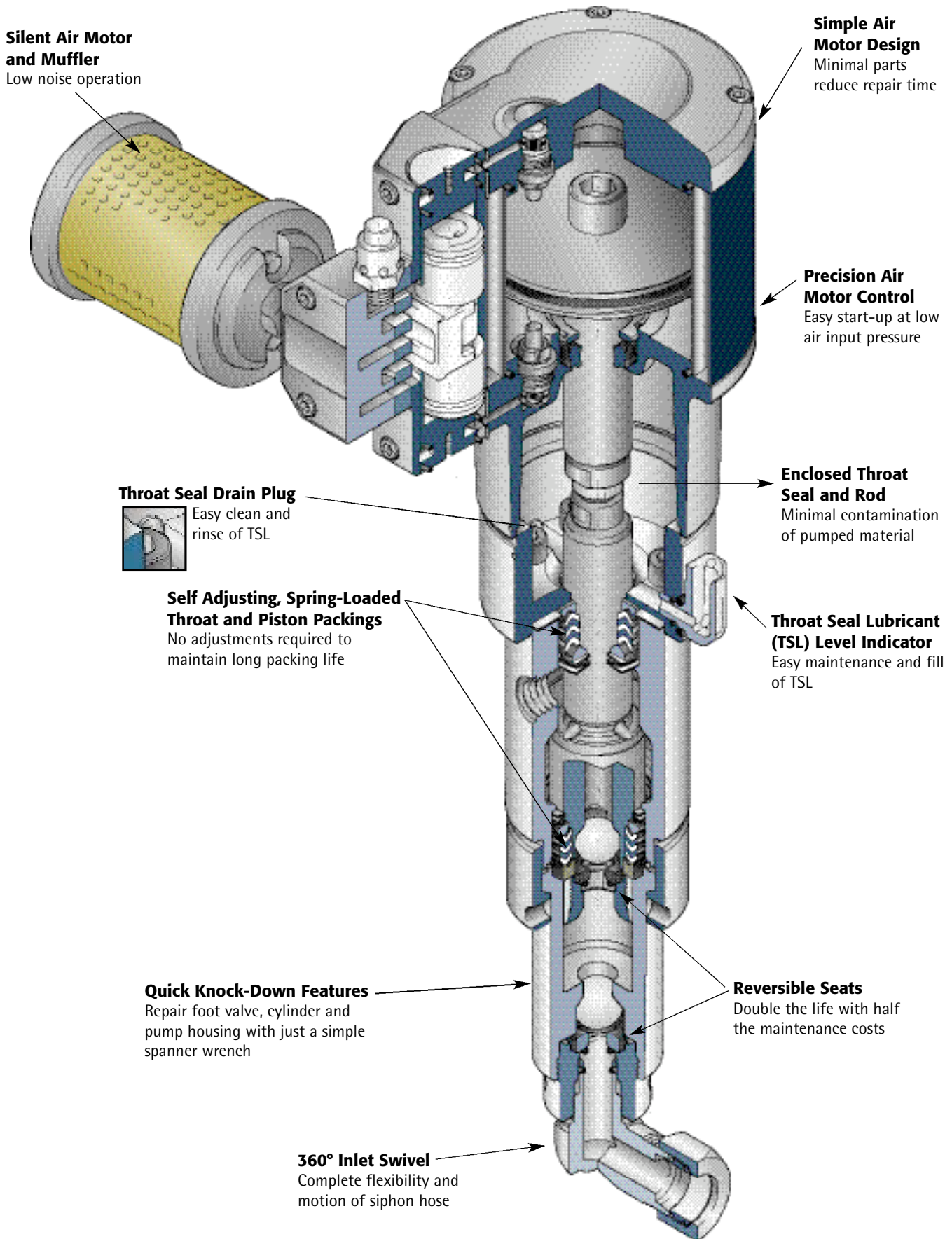


1. = MERKUR
2. = Standard Piston Pumps

Merkur pumps provide up to 50% less pressure pulsation than standard 2-ball piston pumps.

Note: Pump-to-pump comparison without fluid regulator.

Designed for Demanding Coating Applications



Accessories

- 245717 5 liter (1.3 gal) Stainless Steel Cup Kit**
Requires part number 233888, 22 mm adapter
- 245724 Siphon Hose and Strainer**
Fits up to 30 liter (8 gal) container, waterborne (nitrile).
Requires part number 233888, 22 mm adapter
- 245737 Siphon Hose and Strainer**
Fits up to 200 liter (55 gal) container, waterborne (nitrile).
Requires part number 233888, 22 mm adapter
- 287258 Siphon Hose and Strainer**
Fits up to 30 liter (8 gal) container, solvent resistant (nylon/rubber).
Requires part number 233888, 22 mm adapter
- 287259 Siphon Hose and Strainer**
Fits up to 200 liter (55 gal) container, solvent resistant (nylon/rubber).
Requires part number 233888, 22 mm adapter
- 233888 Pump Inlet Elbow Swivel, Stainless Steel**
Use to connect siphon hose to pump inlet.
M26(m) x 22 mm tube fittings.
- 245681 Pump Inlet Adapter, Stainless Steel**
3/4 npt(m) x M26(m)
- 243340 Pail Cover with Agitator**
Use to agitate material in a 5 gal (18.9 l) pail
- 222121 Fluid Regulator, Stainless Steel**
Maximum working pressure: 103 bar (1500 psi, 10 MPa).
Regulator range: 10-82 bar (150-1200 psi, 1-8.2 MPa).
- 223160 Pump Outlet Fluid Filter, Stainless Steel**
60 mesh (250 micron), 350 bar (5000 psi, 35 MPa),
3/8 npt (f) inlet, 1/4 npt (f) outlet.
- 238435 Replacement Filter Screen Element**
3-pack elements, 30 mesh, SST
- 238437 Replacement Filter Screen Element**
3-pack elements, 60 mesh, SST
- 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
- 15A724 Pump Repair Tool**
Use to disassemble lower displacement pump
- 246325 316 SST Ball Kit 15:1 and 30:1 (D050)**
Replaces 440 SST balls for high corrosive applicators.
- 246324 316 SST Ball Kit 20:1 and 40:1 (D035)**
Replaces 440 SST balls for high corrosive applicators.
- 246323 316 SST Ball Kit 30:1 (2.3 l/min. (D020)**
Replaces 440 SST balls for high corrosive applicators.

Spray Guns

Merkur 15:1 packages configured with G15 Gun.
All other Merkur Air-Assisted packages configured with G40 Gun.
The Merkur Airless Packages configured with the Silver Gun.

All guns include tip of choice

- 249233 G15 Air-Assisted Spray Gun**
- 287926 G15 Air-Assisted Spray Gun, Carbide Model**
- 249242 G40 Air-Assisted Spray Gun**
- 249246 G40 Air-Assisted Spray Gun, Hi-Flow Model**
- 249238 G40 Reverse-A-Clean (RAC) Spray Gun**
- 235464 Silver Gun, 2-Finger, GHD617**

Additional Lower Displacement Pumps

- 245639 Lower Displacement Pump**
40 cc/cycle delivery. PTFE/Leather throat packings, UHMWPE/PTFE piston packings.
- 245640 Lower Displacement Pump**
70 cc/cycle delivery. PTFE/Leather throat packings, UHMWPE/PTFE piston packings.
- 245641 Lower Displacement Pump**
100 cc/cycle delivery. PTFE/Leather throat packings, UHMWPE/PTFE piston packings.

Repair Kits

Pump part number includes motor and lower displacement pump

	Merkur 15:1	Merkur 20:1	Merkur 30:1
Pump Part No.	233818/233752	233819/233753	233820/233754
Air motor	245354	245354	245354
Lower displacement pump, SST	245352	245353	245351
Pump packing construction	UHMWPE/PTFE	UHMWPE/PTFE	UHMWPE/PTFE

Air Motor Kits

Air valve repair kit	233836	233836	233836
Air motor seal repair kit	233837	233837	233837
Air motor piston rod kit	233838	233838	233838

Lower Pump Kits

Pump Packing kit, (UHMWPE/PTFE)	233833	233830	233826
Piston ball and seat kit	233834	233831	233827
Intake ball and seat kit	233835	233832	233828
Wet cup sight glass kit	233829	233829	233829
Displacement rod, SST	15A118	15A120	15A119

	Merkur 30:1	Merkur 40:1
Pump Part No.	233821/233755	233822/233756
Air motor	245355	245355
Lower displacement pump, SST	245352	245353
Pump packing construction	UHMWPE/PTFE	UHMWPE/PTFE

Air Motor Kits

Air valve repair kit	233836	233836
Air motor seal repair kit	233842	233842
Air motor piston rod kit	233838	233838

Lower Pump Kits

Pump Packing kit, (UHMWPE/PTFE)	233833	233830
Piston ball and seat kit	233834	233831
Intake ball and seat kit	233835	233832
Wet cup sight glass kit	233829	233829
Displacement rod, SST	15A118	15A120

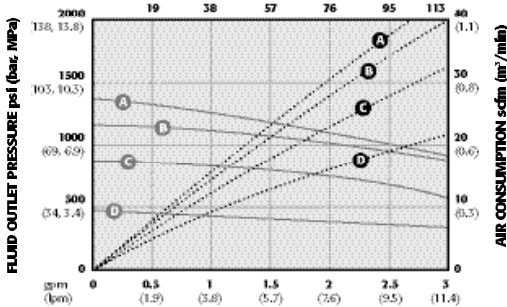
Technical Specifications

	Merkur 15:1	Merkur 20:1	Merkur 30:1
Pump ratio			
Maximum fluid outlet pressure	103 bar (10.3 MPa) 1500 psi	140 bar (14.0 MPa) 2000 psi	210 bar (21.0 MPa) 3000 psi
Maximum air input pressure	7 bar (0.7 MPa) 100 psi	7 bar (0.7 MPa) 100 psi	7 bar (0.7 MPa) 100 psi
Fluid Flow @ 60 cpm	1.6 gpm (6.0 lpm)	1.1 gpm (4.2 lpm)	0.6 gpm (2.4 lpm)
Volume per cycle	100 cc	70 cc	40 cc
Air consumption @ 100 psi (7 bar, 0.7 MPa) air @ 20 cpm	0.20 m ³ /min	0.20 m ³ /min	0.20 m ³ /min
Sound level @ 100 psi (7 bar, 0.7 MPa) air @ 20 cpm	73 dBA	73 dBA	73 dBA
Air Inlet, pump	3/8 BSPP(m) or 3/8 npt(m)	3/8 BSPP(m) or 3/8 npt(m)	3/8 BSPP(m) or 3/8 npt(m)
Fluid Inlet, pump	M26 x 1.5 (f) or 3/4 npt(m)	M26 x 1.5 (f) or 3/4 npt(m)	M26 x 1.5 (f) or 3/4 npt(m)
Fluid Outlet, pump	3/8 BSPP(f) or 3/8 npt(m)	3/8 BSPP(f) or 3/8 npt(m)	3/8 BSPP(f) or 3/8 npt(m)
Air inlet, package	1/4 npt(f)	1/4 npt(f)	1/4 npt(f)
Weight, Bare Pump	28 lbs (13 kg)	27 lbs (12 kg)	26 lbs (12 kg)

Performance Charts

MERKUR 15:1

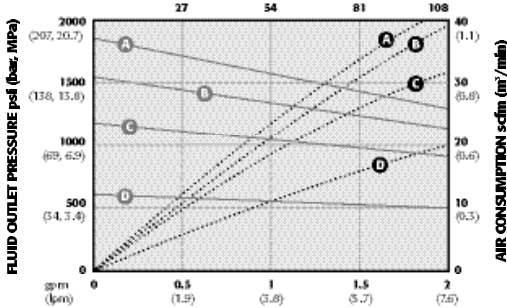
CYCLES PER MINUTE



FLUID FLOW
(Pump tested in No. 10 Wt. Oil)

MERKUR 20:1

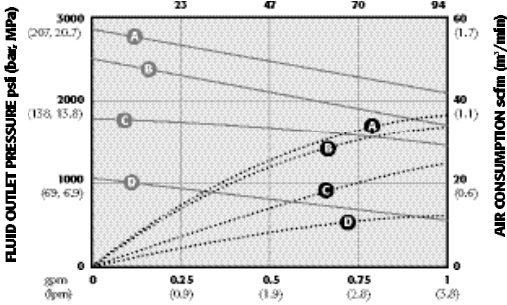
CYCLES PER MINUTE



FLUID FLOW
(Pump tested in No. 10 Wt. Oil)

MERKUR 30:1 (0.6 gpm)

CYCLES PER MINUTE



FLUID FLOW
(Pump tested in No. 10 Wt. Oil)

AIR PRESSURES

- A - @ 7 bar (0.70 MPa, 100 psi)
- B - @ 6.2 bar (0.62 MPa, 90 psi)
- C - @ 4.8 bar (0.48 MPa, 70 psi)
- D - @ 2.8 bar (0.28 MPa, 40 psi)

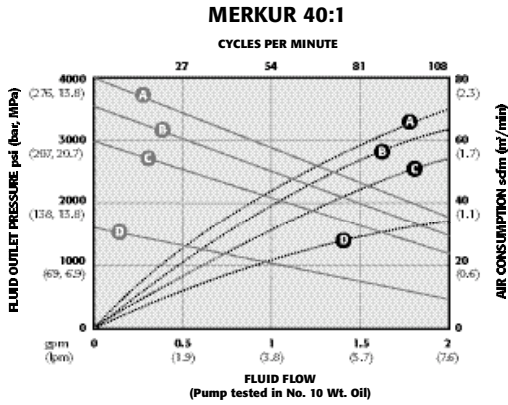
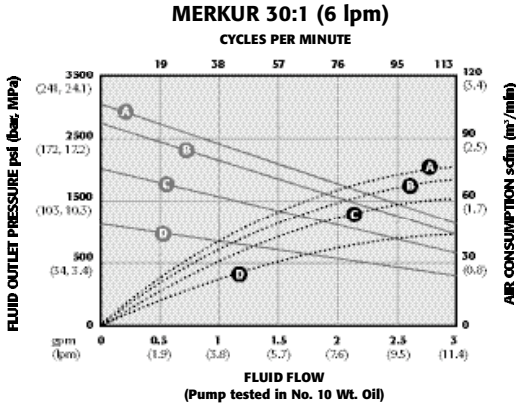
LEGEND

- Air Consumption
- Fluid Flow _____

Technical Specifications (continued)

	Merkur 30:1	Merkur 40:1
Pump ratio		
Maximum fluid outlet pressure	210 bar (21.0 MPa) 3000 psi	250 bar (25.0 MPa) 4000 psi
Maximum air input pressure	7 bar (0.7 MPa) 100 psi	7 bar (0.7 MPa) 100 psi
Fluid Flow @ 60 cpm	1.6 gpm (6.0 lpm)	1.1 gpm (4.2 lpm)
Volume per cycle	100 cc	70 cc
Air consumption @ 100 psi (7 bar, 0.7 MPa) air @ 20 cpm	0.45 m ³ /min	0.45 m ³ /min
Sound level @ 100 psi (7 bar, 0.7 MPa) air @ 20 cpm	76 dBA	76 dBA
Air Inlet, pump	3/8 BSPP(m) or 3/8 npt(m)	3/8 BSPP(m) or 3/8 npt(m)
Fluid Inlet, pump	M26 x 1.5 (f) or 3/4 npt(m)	M26 x 1.5 (f) or 3/4 npt(m)
Fluid Outlet, pump	3/8 BSPP(f) or 3/8 npt(m)	3/8 BSPP(f) or 3/8 npt(m)
Air inlet, package	1/4 npt(f)	1/4 npt(f)
Weight, Bare Pump	33 lbs (15 kg)	32 lbs (14 kg)

Performance Charts (continued)



AIR PRESSURES

- A - @ 7 bar (0.70 MPa, 100 psi)
- B - @ 6.2 bar (0.62 MPa, 90 psi)
- C - @ 4.8 bar (0.48 MPa, 70 psi)
- D - @ 2.8 bar (0.28 MPa, 40 psi)

LEGEND

- Air Consumption
- Fluid Flow _____

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

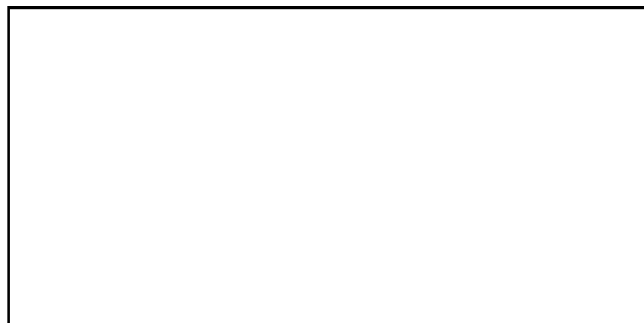
JAPAN
Graco K.K.
1-27-12 Hayabuchi
Tsuzuki-ku
Yokohama City, Japan 2240025
Tel 81 45 593 7300
Fax 81 45 593 7301

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