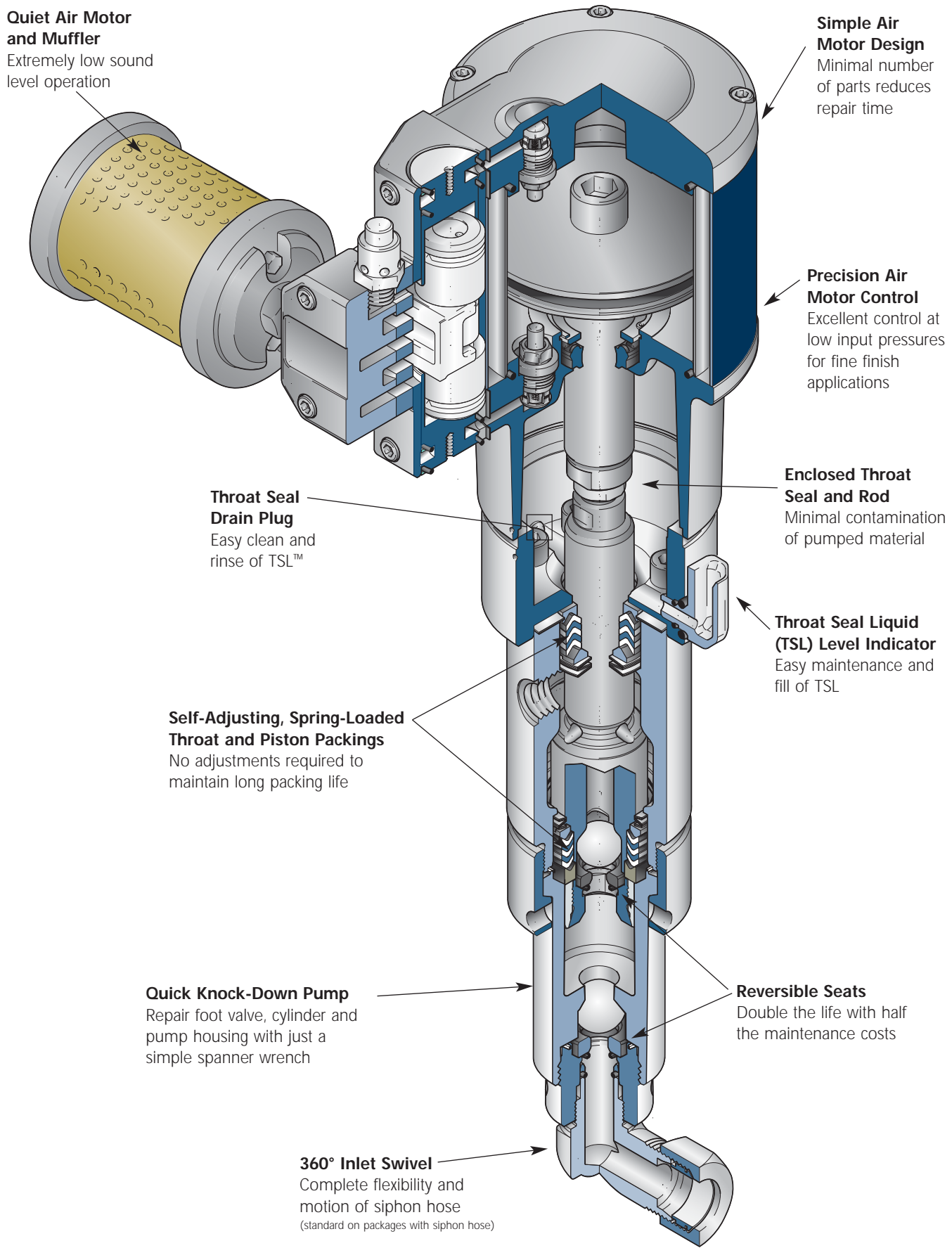


State-of-the-art pump designed for today's demanding paint and coating applications!



Quiet Air Motor and Muffler
Extremely low sound level operation

Simple Air Motor Design
Minimal number of parts reduces repair time

Precision Air Motor Control
Excellent control at low input pressures for fine finish applications

Throat Seal Drain Plug
Easy clean and rinse of TSL™

Enclosed Throat Seal and Rod
Minimal contamination of pumped material

Throat Seal Liquid (TSL) Level Indicator
Easy maintenance and fill of TSL

Self-Adjusting, Spring-Loaded Throat and Piston Packings
No adjustments required to maintain long packing life

Quick Knock-Down Pump
Repair foot valve, cylinder and pump housing with just a simple spanner wrench

Reversible Seats
Double the life with half the maintenance costs

360° Inlet Swivel
Complete flexibility and motion of siphon hose (standard on packages with siphon hose)

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 8 gal (30 l) container, waterborne (nitrile). Requires part number 233888, 22 mm adapter.
245737	Siphon Hose and Strainer Fits up to 55 gal (200 l) container, waterborne (nitrile). Requires part number 233888, 22 mm adapter.
287258	Siphon Hose and Strainer Fits up to 8 gal (30 l) container, solvent resistant (nylon/rubber). Requires part number 233888, 22 mm adapter.
287259	Siphon Hose and Strainer Fits up to 55 gal (200 l) 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: 1500 psi (103 bar, 10.3 MPa). Regulator range: 150-1200 psi (10-82 bar, 1-8.2 MPa).
223160	Pump Outlet Fluid Filter, Stainless Steel 60 mesh (250 micron), 5000 psi (350 bar, 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
15A641	Pump Outlet Adapter, Stainless Steel 3/8 npt(m) x 3/8 BSPP(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

Repair Kits

Pump part number includes motor and lower displacement pump

Pump Part No.	Merkur 15:1	Merkur 20:1	Merkur 30:1 (0.6 gpm)	Merkur 30:1 (1.6 gpm)	Merkur 40:1
	233818	233819	233820	233821	233822
	233752	233753	233754	233755	233756
Air motor	245354	245354	245354	245355	245355
Lower displacement pump, SST	245352	245353	245351	245352	245353
Pump packing construction	UHMWPE/PTFE	UHMWPE/PTFE	UHMWPE/PTFE	UHMWPE/PTFE	UHMWPE/PTFE

Air Motor Kits

Air valve repair kit	233836	233836	233836	233836	233836
Air motor seal repair kit	233837	233837	233837	233842	233842
Air motor piston rod kit	233838	233838	233838	233838	233838

Lower Pump Kits

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

Accessories (continued)

15A724	Pump Repair Tool Use to disassemble lower displacement pump.
246325	316 SST Ball Kit 15:1 and 30:1 (1.6 gpm) Replaces 440 SST balls for high corrosive applicators.
246324	316 SST Ball Kit 20:1 and 40:1 Replaces 440 SST balls for high corrosive applicators.
246323	316 SST Ball Kit 30:1 (0.6 gpm) Replaces 440 SST balls for high corrosive applicators.

Additional Lower Displacement Pumps

245639	Lower Displacement Pump 40 cc/cycle (1.4 oz/cycle) delivery. PTFE/Leather throat packings, UHMWPE/PTFE piston packings.
245640	Lower Displacement Pump 70 cc/cycle (2.4 oz/cycle) delivery. PTFE/Leather throat packings, UHMWPE/PTFE piston packings.
245641	Lower Displacement Pump 100 cc/cycle (3.4 oz/cycle) delivery. PTFE/Leather throat packings, UHMWPE/PTFE piston packings.

Spray Guns

Merkur 15:1 packages configured with Alpha gun (241508). All other Merkur packages configured with Alpha Plus gun (243573). See Ordering Information for specific gun and package options.

All guns include tip of choice

241508	Alpha Air-Assisted Spray Gun, Carbide Model
241510	Alpha Air-Assisted Spray Gun, Composite Model
241509	HVLP Alpha Air-Assisted Spray Gun, Carbide Model
241511	HVLP Alpha Air-Assisted Spray Gun, Composite Model
243573	Alpha Plus Air-Assisted Spray Gun
243574	Alpha Plus Hi-Flow Air-Assisted Spray Gun
243575	Alpha Plus HVLP Spray Gun
243576	Alpha Plus Reverse-A-Clean® (RAC)™ Spray Gun
243577	Alpha Plus Reverse-A-Clean (RAC) Hi-Flow Spray Gun

For more information reference Alpha and Alpha Plus Flyer 320454.

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



Call today for product information or to request a demonstration.

1.877.84GRACO (1-877-844-7226) or visit us at www.graco.com.



MERKUR™

Fine Finish Pumps and Packages



*Merkur 30:1
Cart Package*
233929

*Merkur 20:1
Bare Pump*
233819

More power and less pulsation for the best finish at the fastest rate!

Features

- Low pulsation output
- High flow rate delivery
- All stainless steel pump construction
- Extremely quiet air motor
- Wide range of pump ratios available including 15:1, 20:1, 30:1 and 40:1
- Pumps available in bare, wall mount and cart mount

Benefits

- Better finish with consistent pattern and film
- More speed and multiple gun capabilities
- Handles a wide range of fluids
- Comfortable working conditions
- Higher pump ratios deliver a full range of material viscosities
- Full line of products for any application

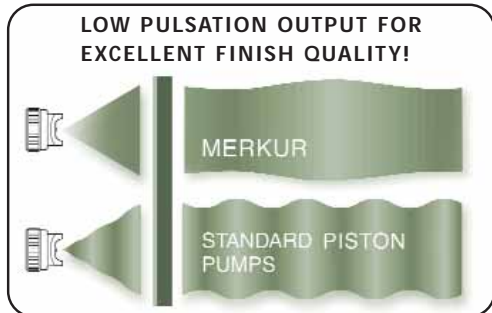
INDUSTRIAL

PROVEN QUALITY. LEADING TECHNOLOGY.

The Best Choice for High Volume, Fine-Finish Applications

More Power, Less Pulsation!

- High volume fluid delivery increases productivity and parts sprayed per shift
- Low pulsation and smooth pump changeover helps deliver an outstanding finish
- Multiple gun capabilities



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

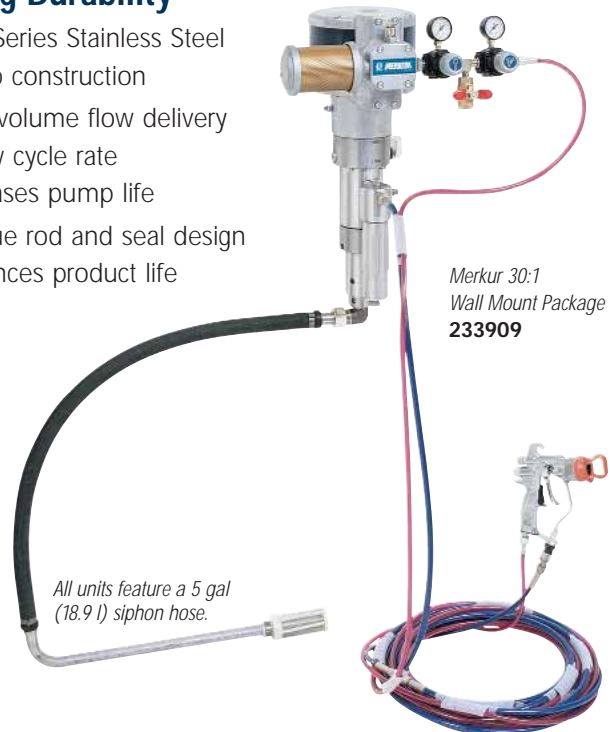
Note: Pump-to-pump comparison without fluid regulator.

Lower Maintenance Costs

- 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

- 300 Series Stainless Steel pump construction
- High volume flow delivery at low cycle rate increases pump life
- Unique rod and seal design enhances product life



Choose the Graco Sprayer That's Right for Your Finishing Application

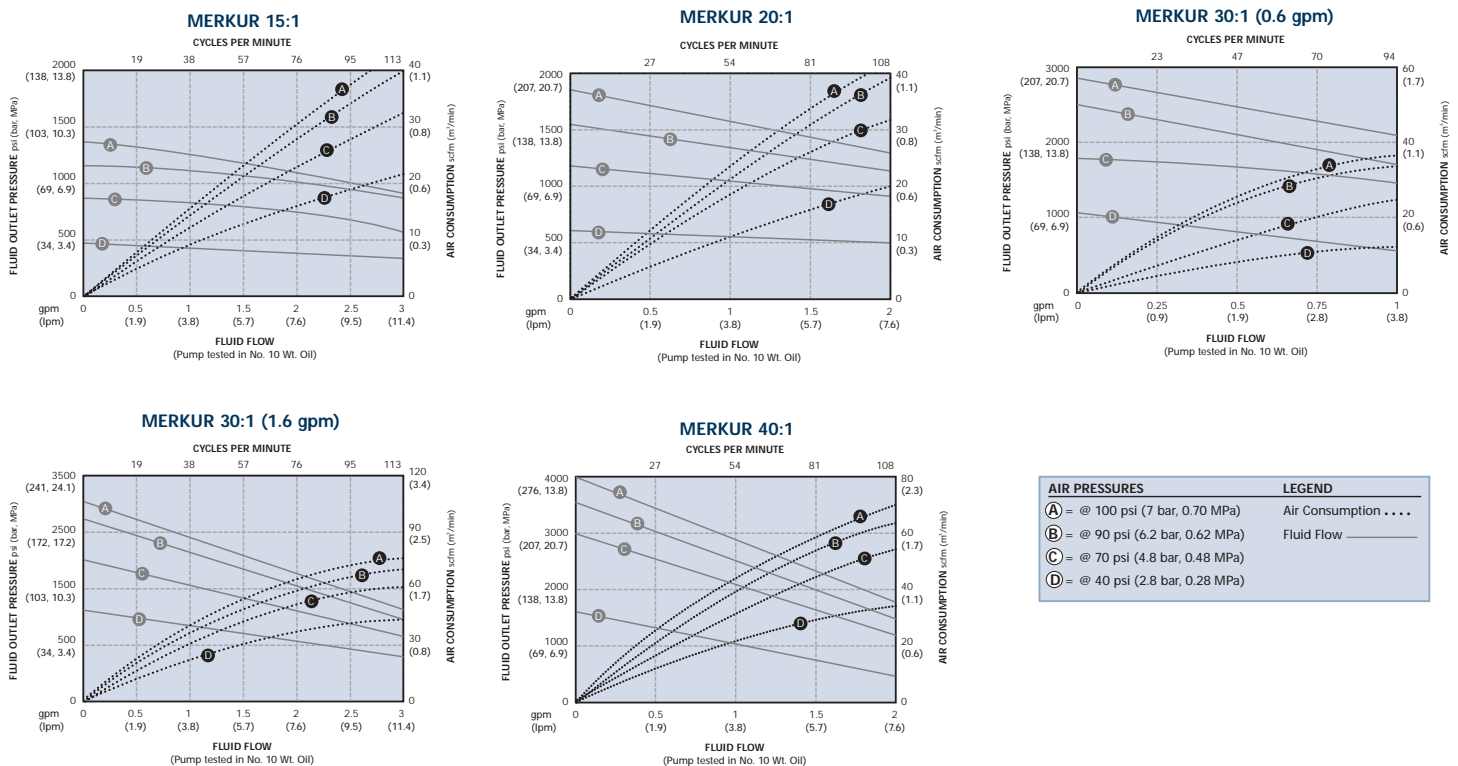
The perfect solution for multiple gun, fine finish applications!

	FINE FINISH		HEAVY DUTY	
1 WHAT IS YOUR APPLICATION?	WOOD FURNITURE WOOD CABINETS GENERAL METAL		CORROSION CONTROL FARM & CONSTRUCTION	
2 WHAT TYPE OF MATERIALS DO YOU SPRAY?	CATALYZED LACQUERS WATERBORNE LACQUERS SHEAR-SENSITIVE COATINGS		EPOXIES URETHANES ENAMELS	
3 WHAT FLOW AND PRESSURE DO YOU REQUIRE? FLOW RATE @ 60 CPM	FALCON™	MERKUR™	MONARK®	PRESIDENT®
	10:1 (0.3 gpm) 20:1 (0.3 gpm)	15:1 (1.6 gpm) 20:1 (1.1 gpm) 30:1 (0.6 gpm) 30:1 (1.6 gpm) 40:1 (1.1 gpm)	15:1 (0.7 gpm) 23:1 (0.4 gpm)	15:1 (1.8 gpm) 30:1 (1.0 gpm)

Technical Specifications

	Merkur 15:1	Merkur 20:1	Merkur 30:1	Merkur 30:1	Merkur 40:1
Pump ratio					
Air Motor Diameter	4.3 in (110 mm)	4.3 in (110 mm)	4.3 in (110 mm)	6.3 in (160 mm)	6.3 in (160 mm)
Maximum fluid outlet pressure	1500 psi (103 bar, 10.3 MPa)	2000 psi (140 bar, 14.0 MPa)	3000 psi (210 bar, 21.0 MPa)	3000 psi (210 bar, 21.0 MPa)	4000 psi (250 bar, 25.0 MPa)
Maximum air input pressure	115 psi (8 bar, 0.8 MPa)	115 psi (8 bar, 0.8 MPa)	115 psi (8 bar, 0.8 MPa)	115 psi (8 bar, 0.8 MPa)	115 psi (8 bar, 0.8 MPa)
Fluid flow @ 60 cpm	1.6 gpm (6.0 lpm)	1.1 gpm (4.2 lpm)	0.6 gpm (2.4 lpm)	1.6 gpm (6.0 lpm)	1.1 gpm (4.2 lpm)
Volume per cycle	3.4 oz (100 cc)	2.4 oz (70 cc)	1.4 oz (40 cc)	3.4 oz (100 cc)	2.4 oz (70 cc)
Air consumption @ 100 psi (7 bar, 0.7 MPa) @ 20 cpm	7 scfm (0.20 m ³ /min)	7 scfm (0.20 m ³ /min)	7 scfm (0.20 m ³ /min)	16 scfm (0.45 m ³ /min)	16 scfm (0.45 m ³ /min)
Sound level @ 100 psi (7 bar, 0.7 MPa) @ 20 cpm	73 dBA	73 dBA	73 dBA	76 dBA	76 dBA
Air inlet, pump	1/4 npt(m) or 3/8 BSPP(m)	1/4 npt(m) or 3/8 BSPP(m)	1/4 npt(m) or 3/8 BSPP(m)	1/4 npt(m) or 3/8 BSPP(m)	1/4 npt(m) or 3/8 BSPP(m)
Fluid inlet, pump	3/4 npt(m) or M26 x 1.5 (f)	3/4 npt(m) or M26 x 1.5 (f)	3/4 npt(m) or M26 x 1.5 (f)	3/4 npt(m) or M26 x 1.5 (f)	3/4 npt(m) or M26 x 1.5 (f)
Fluid outlet, pump	3/8 npt(m) or 3/8 BSPP(f)	3/8 npt(m) or 3/8 BSPP(f)	3/8 npt(m) or 3/8 BSPP(f)	3/8 npt(m) or 3/8 BSPP(f)	3/8 npt(m) or 3/8 BSPP(f)
Air inlet, package	1/4 npt(f)	1/4 npt(f)	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)	33 lbs (15 kg)	32 lbs (14 kg)
Instruction manual, bare	309462	309462	309462	309462	309462
Instruction manual, pkgs	309463	309463	309463	309463	309463

Performance Charts



Ordering Information

1. Select appropriate pump model based on pressure and flow requirements.
Refer to pump performance charts for more information.
2. When ordering a bare pump, select npt or BSPP thread design based on system piping requirements.
3. When ordering a package, select wall or cart mount configuration.
4. Select package with Alpha spray gun, Alpha Plus spray gun or bare.
5. Order part number.

	Stainless Steel	Part No.	Thread Design	Bare Pump	Wall Mount	Cart Mount	No. of Air Regulators	Fluid Filter	5 gal (18.9 l) Siphon Hose	Fluid Swivel @ Gun Inlet	Fluid Whip Hose, 2 ft (0.6 m)	Fluid Hose, 25 ft (7.6 m)	Air Hose, 25 ft (7.6 m)	Applicator
Merkur 15:1 Pumps 1.6 gpm (6.0 lpm)	•	233818	npt	•			0							none
	•	233752	BSPP	•			0							none
	•	233896	npt		•		0							none
	•	233901	npt		•		1		•					none
	•	233906	npt		•		2	•	•	•	•	•	•	Alpha™
	•	233921	npt			•	1		•					none
	•	233926	npt			•	2	•	•	•	•	•	•	Alpha
Merkur 20:1 Pumps 1.1 gpm (4.2 lpm)	•	233819	npt	•			0							none
	•	233753	BSPP	•			0							none
	•	233897	npt		•		0							none
	•	233902	npt		•		1		•					none
	•	233907	npt		•		2	•	•	•	•	•	•	Alpha Plus
	•	233922	npt			•	1		•					none
	•	233927	npt			•	2	•	•	•	•	•	•	Alpha Plus
Merkur 30:1 Pumps 0.6 gpm (2.4 lpm)	•	233820	npt	•			0							none
	•	233754	BSPP	•			0							none
	•	233898	npt		•		0							none
	•	233903	npt		•		1		•					none
	•	233908	npt		•		2	•	•	•	•	•	•	Alpha Plus
	•	233923	npt			•	1		•					none
	•	233928	npt			•	2	•	•	•	•	•	•	Alpha Plus
Merkur 30:1 Pumps 1.6 gpm (6.0 lpm)	•	233821	npt	•			0							none
	•	233755	BSPP	•			0							none
	•	233899	npt		•		0							none
	•	233904	npt		•		1		•					none
	•	233909	npt		•		2	•	•	•	•	•	•	Alpha Plus
	•	233924	npt			•	1		•					none
	•	233929	npt			•	2	•	•	•	•	•	•	Alpha Plus
Merkur 40:1 Pumps 1.1 gpm (4.2 lpm)	•	233822	npt	•			0							none
	•	233756	BSPP	•			0							none
	•	233900	npt		•		0							none
	•	233905	npt		•		1		•					none
	•	233910	npt		•		2	•	•	•	•	•	•	Alpha Plus
	•	233925	npt			•	1		•					none
	•	233930	npt			•	2	•	•	•	•	•	•	Alpha Plus

Notes: BSPP is British Standard Pipe Parallel thread
npt is National Pipe Taper thread
Flow rates are reported @ 60 cpm (cycles per minute)