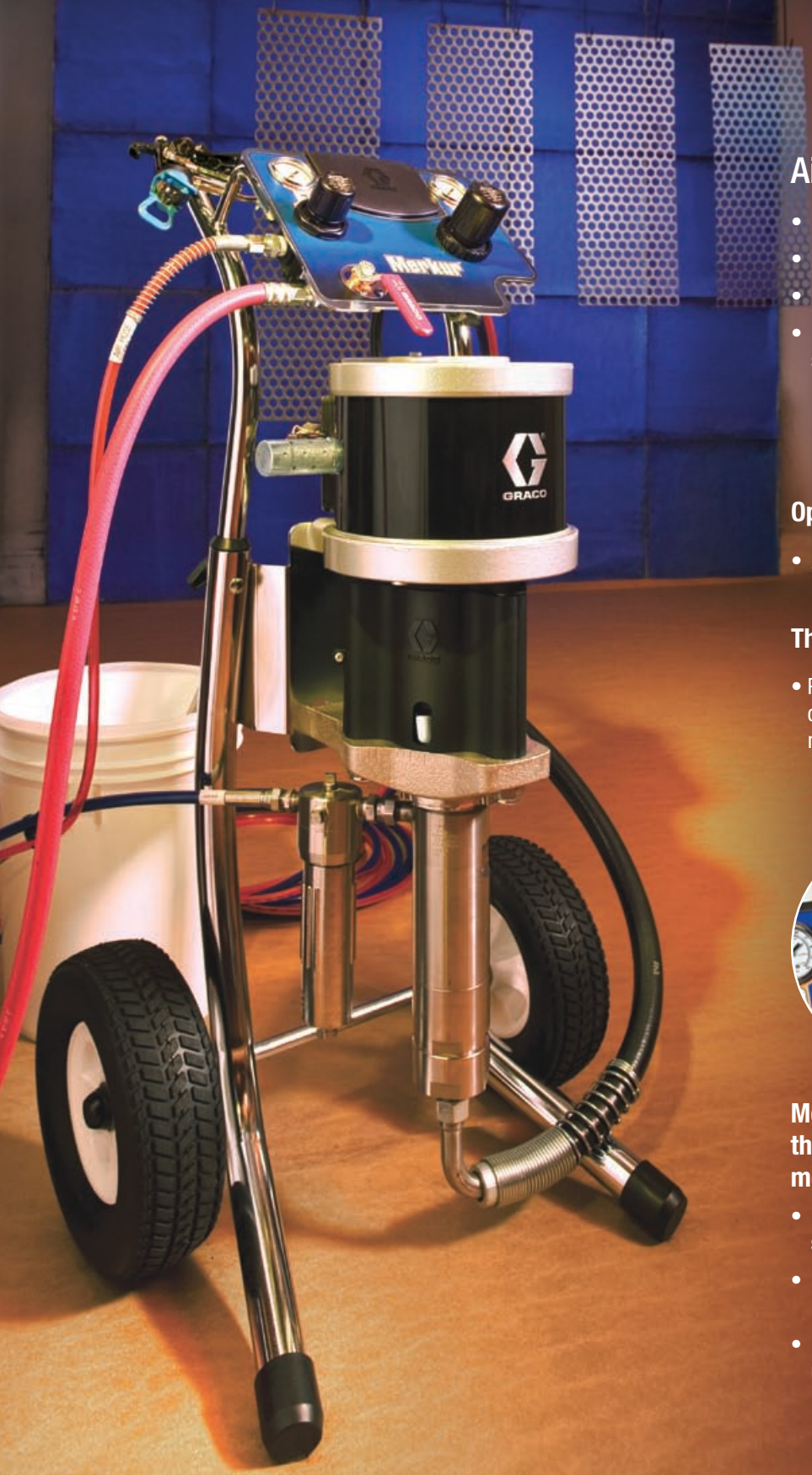
Merkur™

High Performance Fine Finish Packages

PROVEN QUALITY. LEADING TECHNOLOGY.

Advanced Technology. Superior Performance.

The new and improved Merkur™ packages are designed to outperform and outlast other pumps in their class. With more models and configurations to choose from, you get the precise pressure and output you need 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

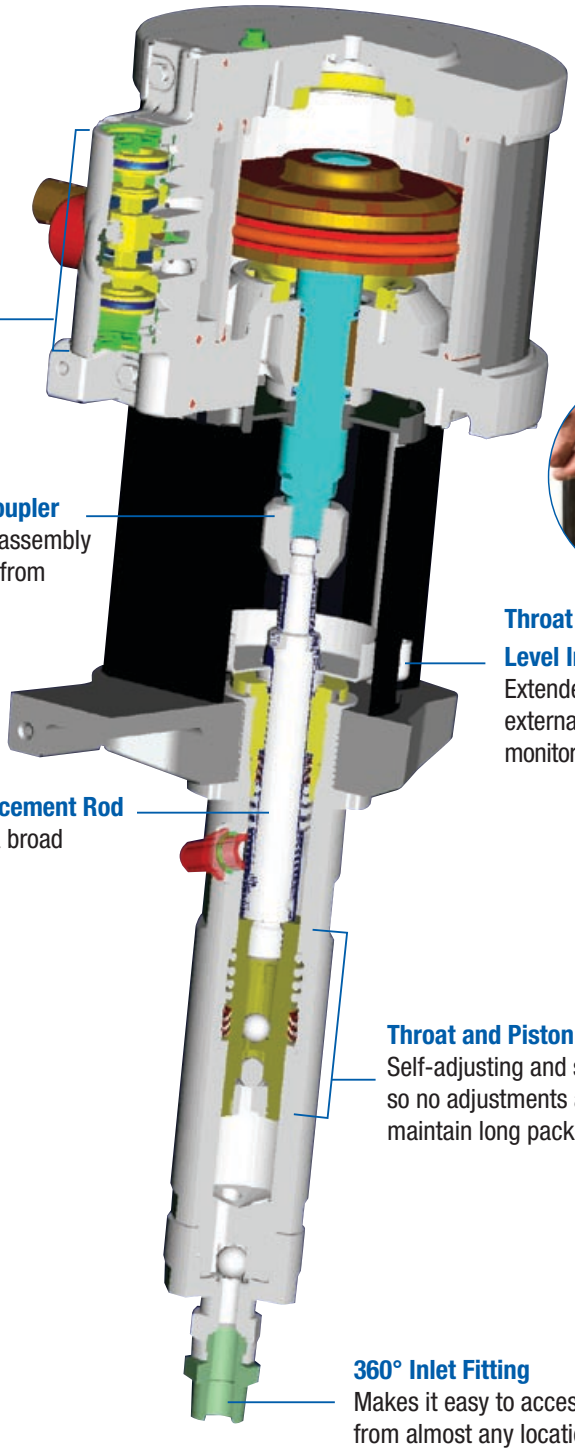
- Protects pumped material and wet cup from contamination but can be easily removed to monitor and service

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

Pump Lower

- Easy-to-flush design allows for fast color 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



Air Valve
Provides smooth and rapid changeover

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

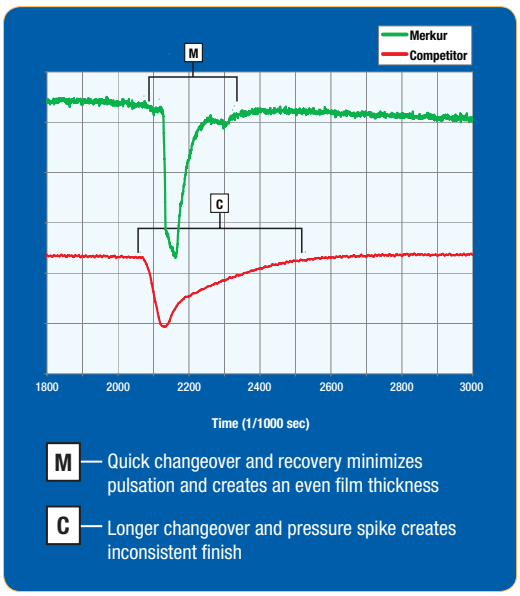
Cylinder and Displacement Rod
Designed to handle a broad range of coatings

Throat and Piston Packings
Self-adjusting and spring-loaded so no adjustments are needed to maintain long packing life

360° Inlet Fitting
Makes it easy to access the pail from almost any location

Less Pulsation for Better Results

Merkur is designed to provide a smooth, rapid changeover for a better, more consistent finish and less user fatigue.

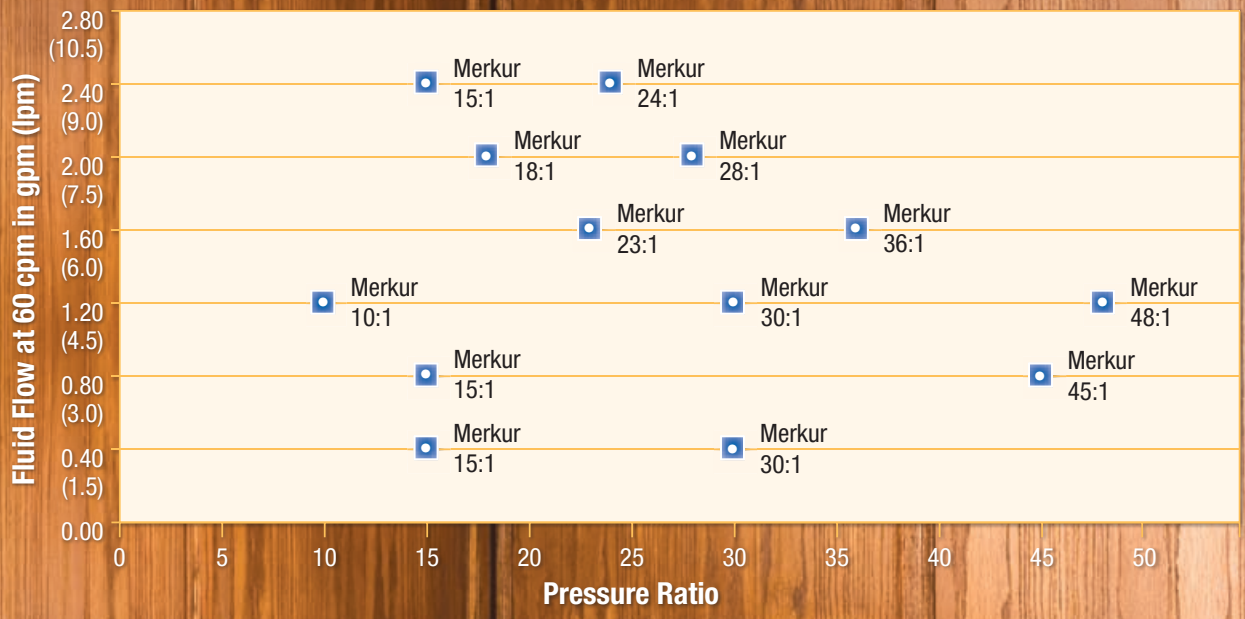


M — Quick changeover and recovery minimizes pulsation and creates an even film thickness

C — Longer changeover and pressure spike creates inconsistent finish

The right flows at the right pressures to fit all of your spraying needs.

With four air motor sizes and 13 different models to choose from, Merkur fine finish packages are designed to improve productivity, reduce costs, lower emissions and provide consistent, high quality finishes for all of your demanding applications.



Making the Right Choice for your Application

Combine a Merkur pump with a variety of guns and accessories, and you'll be on your way to selecting the package that's right for you!

Select a Spray Technology

G15/G40
Air-Assist Gun

XTR
Airless Gun

PRO Xs™
Air-Assist Electrostatic

Select a Mounting Configuration

Cart Mount

Wall Mount

Stand Mount

Determine the Accessories that are right for you!

Suction Hose

Hopper

Heater

Filter

Merkur 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	1.2 gpm (4.5 lpm)	0.4 gpm (1.5 lpm)	0.8 gpm (3.0 lpm)	2.4 gpm (9.0 lpm)	2.0 gpm (7.5 lpm)	1.6 gpm (6.0 lpm)	2.4 gpm (9.0 lpm)
Pump Volume per Cycle	2.5 oz (75 cc)	0.8 oz (25 cc)	1.7 oz (50 cc)	5 oz (150 cc)	4.2 oz 125 cc)	3.4 oz (100 cc)	5 oz (150 cc)
Maximum Fluid Outlet Pressure	1000 psi (69 bar)	1500 psi (103 bar)	1500 psi (103 bar)	1500 psi (103 bar)	1800 psi (124 bar)	2300 psi (158 bar)	2400 psi (165 bar)
Maximum Air Inlet Pressure	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 (7 bar)
Air Motor Displacement (cc per stroke)	400 cc	200 cc	400 cc	1200 cc	1200 cc	1200 cc	1800 cc
Air Consumption @ 100 psi (7 bar, 0.7 MPa) @ 20 cpm	6 scfm (0.17 m3/min)	3 scfm (0.08 m3/min)	6 scfm (0.17 m3/min)	17 scfm (0.48 m3/min)	17 scfm (0.48 m3/min)	17 scfm (0.48 m3/min)	26 scfm (0.74 m3/min)
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	2.0 gpm (7.5 lpm)	0.4 gpm (1.5 lpm)	1.2 gpm (4.5 lpm)	1.6 gpm (6.0 lpm)	0.8 gpm (3.0 lpm)	1.2 gpm (4.5 lpm
Volume per Cycle	4.2 oz (125 cc)	0.8 oz (25 cc)	2.5 oz (75 cc)	3.4 oz (100 cc)	1.7 oz (50 cc)	2.5 oz (75 cc)
Maximum Fluid Outlet Pressure	2800 psi (192 bar)	3000 psi (206 bar)	3000 psi (206 bar)	3600 psi (248 bar)	4000 psi (275 bar)	4000 psi (275 bar)
Maximum Air Inlet Pressure	100 psi (7 bar)	100 psi (7 bar)	100 psi (7 bar)	100 psi (7 bar)	90 psi (6.2 bar)	85 psi (5.8 bar)
Air Motor Displacement (cc per stroke)	1800 cc	400 cc	1200 cc	1800 cc	1200 cc	1800 cc
Air Consumption @ 100 psi (7 bar, 0.7 MPa) @ 20 cpm	26 scfm (0.74 m3/min)	6 scfm (0.17 m3/min)	17 scfm (0.48 m3/min)	26 scfm (0.74 m3/min)	17 scfm (0.48 m3/min)	26 scfm (0.74 m3/min)
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)