



# Bellocs Pumps

The Newest Technology in Piston Pumps



PROVEN QUALITY. LEADING TECHNOLOGY.

# Merkur™ Bellows

The gentle pumping action of the Merkur Bellows Pump, combined with reduced sealing surfaces, provides superior handling of shear-sensitive materials, including UV coatings and waterborne materials.

## Applications

- Catalyzed coatings
- Varnish and lacquer
- High solid coatings
- Abrasive materials
- Solvent and waterborne materials
- Moisture-sensitive materials
- UV-cure coatings
- Flat line machine lines
- General finishing applications where open wet cups are not preferred

## Operator Control Panel

- Air controls located at operator height for easy setting and monitoring



## DataTrak™

- Easy-to-set runaway protection
- Pump diagnostics for maintenance
- Resettable batch counter tracks material usage and maintenance schedule





# Powerful Capabilities in a Unique Piston Pump

## Merkur Air Motor Technology

- Highest technology air motor on the market
- Low air consumption for increased efficiency
- Simple air motor design and minimal parts reduces repair time

## Leak Proof Pump Lower

- Easy-to-flush design allows for fast color changes and reduced material waste
- 300 series stainless steel pump construction provides long-lasting durability
- Fewer parts and online replacement bellows seal means improved serviceability, lower cost of ownership and reduced downtime

### 1. Air Valve

Provides smooth and rapid changeover

### 2. Quick Removal Coupler

Allows for easy disassembly of the pump lower from the air motor

### 3. Rotatable Inlet Fitting

Inlet can be rotated 360 degrees for easy access

### 4. Improved Bellows Seal Design

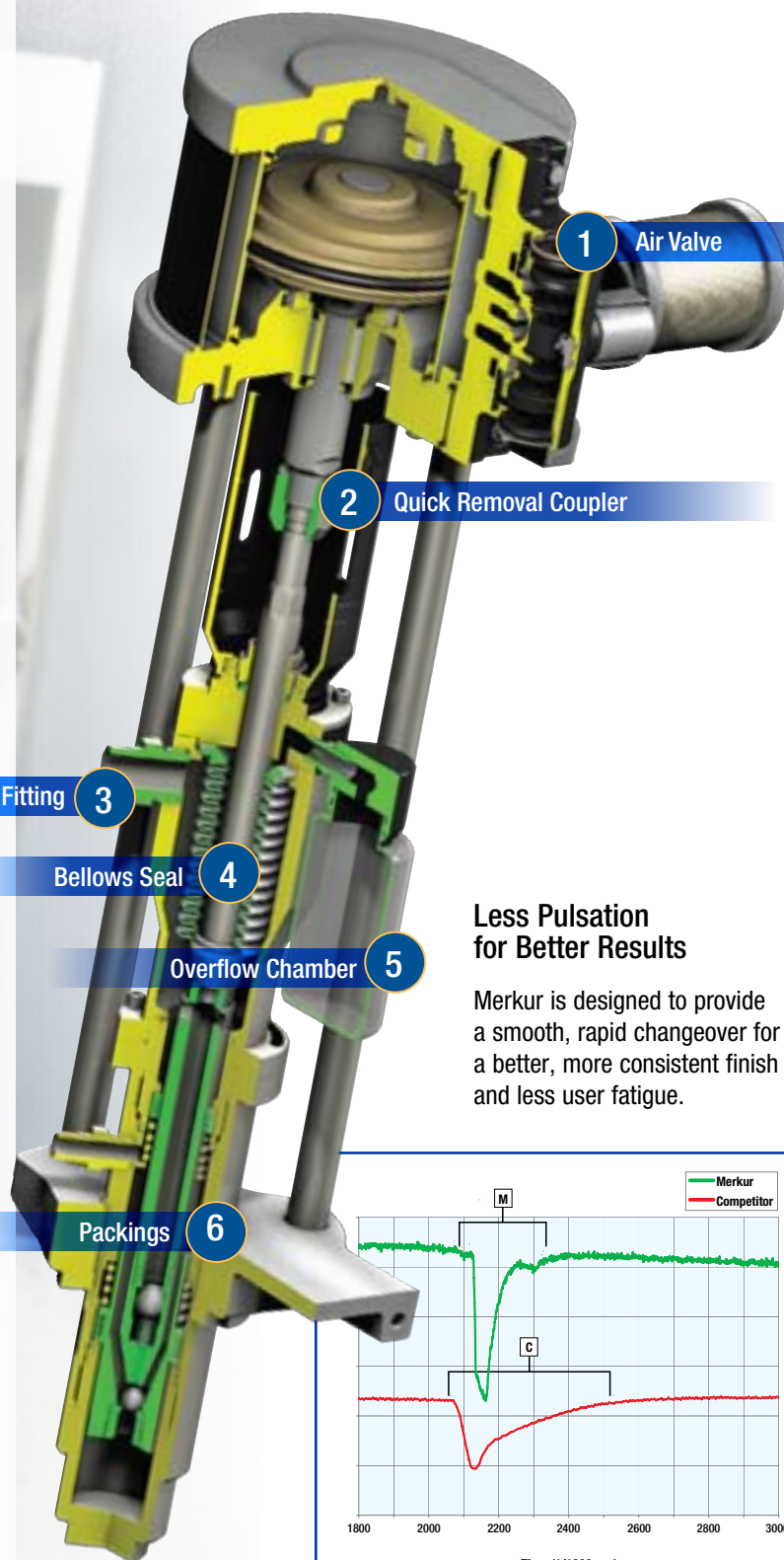
Eliminates throat seal leakage and lubrication

### 5. Overflow Chamber (Optional)

D-shaped seal and overflow chamber contains the material within the pump in case of bellows leakage

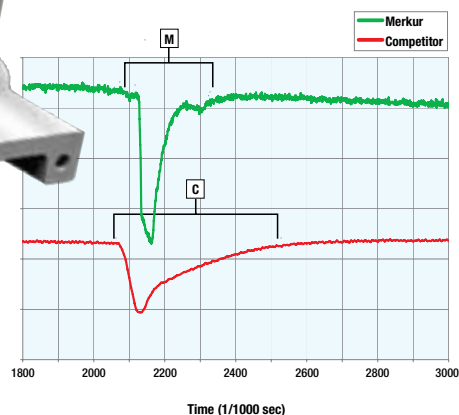
### 6. Throat and Piston Packings

- Spring-loaded to maintain long packing life – no adjustments needed
- Available with V-Packing seals for abrasives or U-Cup seals for UV coatings



## 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

# Glutton® Bellows

Known for its robust design, the Glutton pump features a bellows seal that virtually eliminates the possibility of air or moisture contaminating the fluid.

Choose the heavy-duty Glutton when no other pump can handle the job!

## Applications

- Air spray and HVLP supply
- Circulating systems
- Catalyzed coatings
- Varnish and lacquer
- High solid coatings
- Abrasive materials
- Solventborne and waterborne fluids
- Moisture sensitive materials
- UV-cure coatings
- Flatline machine lines
- General finishing applications where open wet cups are not preferred





# The Heavy-Duty, Low Maintenance Solution

## Compact Design

### 1. Vertical Ball Check

- Reversible seats for uniform wear and long service life
- External check allows for quick maintenance for materials that pack or mat out easily

### 2. External Air Valve

- Easy installation and maintenance

### 3. Outlet Manifold

- Simplifies plumbing and installation

### 4. Pump Stand

- Included for easy mounting

### 5. Cylinder and Displacement Rod

- Designed to handle a broad range of coatings

### 6. Piston Seal

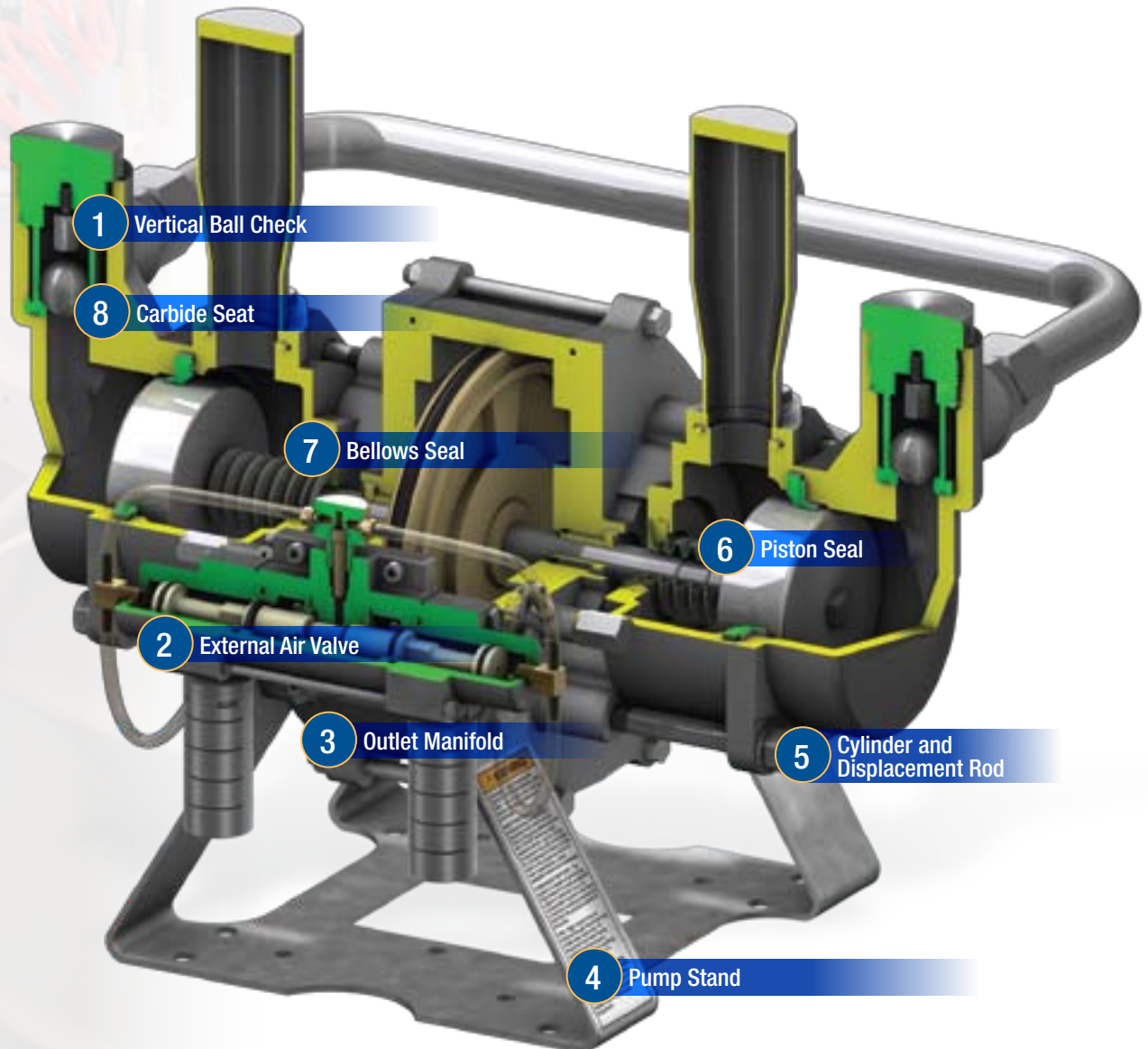
- Multiple configurations for material compatibility

### 7. Heavy-Duty Bellows Seal (Optional)

- Designed for longer life in abrasive applications

### 8. Carbide Seat Accessory

- Ideal for abrasive materials



*Note: Graco recommends 20 cpm or less for intermittent pumping applications and 12 cpm or less for continuous pumping applications.*

## Spray Guns

Refer to the spray gun brochure for additional model numbers. All guns include tip of choice.

24C853	G15 Carbide Air-Assisted Spray Gun
24C855	G40 Air-Assisted Spray Gun
24C857	G40 RAC Air-Assisted Spray Gun
XTR501	XTR-5 Airless Spray Gun
244573	PRO Xs AA Smart Electrostatic Spray Gun

## Accessories

238926	Back Pressure Regulator
102397	Fluid Gauge 3000 psi (206 bar, 20.6 MPa)
238890	Fluid Regulator
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 (10-28 bar, 1-8.2 MPa)
24A587	Pump Outlet Fluid Filter, Stainless Steel 60 mesh (250 micron), 5000 psi (350 bar, 25 MPa)
256425	Fluid Filter Drain Valve, Stainless Steel 5000 psi (350 bar, 35 MPa)
224458	Replacement Filter Screen Element 3-pack elements, 30 mesh, SST
224459	Replacement Filter Screen Element 3-pack elements, 60 mesh, SST
24A540	Air Control Gauge Covers 5 sheets of 10 covers
24B187	Second AA Gun Kit Includes air regulator and gauge
239850	Heater 120 (v)
239851	Heater 240 (v)

## DataTrak

24A575	Upgrade Kit for 400 cc Air Motors
24A576	Upgrade Kit for 700 cc, 1200 cc and 1800 cc Air Motors
24A592	Upgrade Kit for DataTrak with Cycle Count Only

## Suction Hoses

24A954	55 gal (208 l) Drum Suction Hose and Strainer, 3/4 in fluid inlet
24B598	55 gal (208 l) Drum Suction Hose and Strainer, 1 in fluid inlet
24B424	PTFE Lined Suction Hose for 5 gal (19 l) Pails and Strainer, 3/4 in inlet
24B425	PTFE Lined Suction Hose for 5 gal (19 l) Pails and Strainer, 1 in inlet

## Gun Hoses

256390	25 ft Air Hose
241812	25 ft Fluid Hose: 3300 psig (228 bar)
24A955	50 ft Bundled Air and Fluid Hose: 3300 psig (228 bar)
256389	50 ft Air Hose
24B562	50 ft Fluid Hose: 3300 psig (228 bar)
24A588	Hose Clips: Pack of 10

## Instruction and Parts Manuals

312799	Merkur Bellows AA and Airless Spray Package
312798	Merkur Electrostatic Spray Package
312795	Merkur Bellows Pump Assembly
312793	Merkur Bellows Displacement Pump
312796	Merkur Air Motor

# Glutton Bellows Ordering Information and Accessories

## Technical Specifications

Ratio	Glutton 4:1
Output per cycle	355 cc
Max working pressure	400 psi (28 bar)
Max air input pressure	100 psi (7 bar)
Output at 60 cpm	5.6 gpm (21.2 lpm)
Pump inlet size	1.25 npt(f)
Pump outlet size	1 npt(f)
Pump manual	307843

## Pump Construction

Material	Seals	Glutton 4:1
CS	Nylon	237008
CS	UHMWPE	220663
SST	Nylon	237011
SST	UHMWPE	220666

## Accessories

206221	Glutton Wall Bracket
102969	Loctite® High Strength Sealant To secure piston shafts to the piston stud.
223319	Return Tube Kit for returning circulated fluid back to a 55 gal drum Includes SST return tube, SST bushing and SST elbow
208259	55 Gallon (200 Liter) Suction Kit Suction hose (3/4 in ID x 6 ft (1.8 m)), elbow, bung adapter, riser tube, 3/4 in npt(f) outlet fitting.
204385	Elevator with Fixed Mounting Use with 237949 and 237579 to raise and lower pump when changing drums
237949	Stainless Steel Drum Cover Kit (55 gal) Includes SST drum cover, agitator gasket, access hole plug and fasteners
237579	Air Control Kit for 204385 elevator to raise and lower drum cover
222345	Air Filter/Regulator/Lubricator Kit

## Replacement Parts

220656	Air Valve and Pilot Valve Repair Kit
24C134	Piston Seals and Bellows Kit – UHMWPE
24C135	Piston Seals and Bellows Kit – Nylon
220658	Piston Seal Kit – Urethane
221134	Carbide Ball and Seat Kit (2 each)
189432	Fluid Piston – SST
686499	Fluid Piston – Ceramic



## ABOUT GRACO

### PROVEN QUALITY. LEADING TECHNOLOGY.

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.

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