

# President™ 4-Ball Piston Pump Technology

High Performance Industrial Pumps



## Low shear 4-ball circulating pump for low pressure, high flow applications

- Enclosed wet cup technology for minimal operator interaction and even packing lubrication
- Maintain consistent packing force with spring loaded packings - no operator adjustment required
- Stainless steel and carbon steel wetted parts to meet challenging applications
- Proven reliable President air motor for low cost of ownership

PROVEN QUALITY. LEADING TECHNOLOGY.

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## High Performance Industrial Pumps



### Technical Specifications

Pump ratio	2:1	2:1	3:1	3:1	3:1	3:1
Ordering information	24H629	24H997	24H628	24H627	24J075	24J074
Pump material (wetted parts)	SST	CS	SST	CS	SST	CS
Configuration	Standard	Standard	Standard	Standard	Stubby	Stubby
Output per cycle	890 cc	890 cc	610 cc	610 cc	610 cc	610 cc
Motor	President	President	President	President	President	President
Maximum working pressure	32 bar 3.2 MPa 460 psi	32 bar 3.2 MPa 460 psi	32 bar 3.2 MPa 460 psi	32 bar 3.2 MPa 460 psi	32 bar 3.2 MPa 460 psi	32 bar 3.2 MPa 460 psi
Maximum air input pressure	12 bar 1.2 MPa 180 psi	12 bar 1.2 MPa 180 psi	10 bar 1.0 MPa 150 psi	10 bar 1.0 MPa 150 psi	10 bar 1.0 MPa 150 psi	10 bar 1.0 MPa 150 psi
Output at 60 cpm	53.5 l/min 14.1 gpm	53.5 l/min 14.1 gpm	36.4 l/min 9.6 gpm	36.4 l/min 9.6 gpm	36.4 l/min 9.6 gpm	36.4 l/min 9.6 gpm
Pump manual	3A1450	3A1450	3A1450	3A1450	3A1450	3A1450
Lower manual	3A0539	3A0539	3A0539	3A0539	3A0539	3A0539
Motor manual	306982	306982	306982	306982	306982	306982
Pump inlet* size	1-1/2 npt(f)	1-1/2 npt(f)	1-1/2 npt(f)	1-1/2 npt(f)	1-1/2 npt(f)	1-1/2 npt(f)
Pump outlet* size	1 npt(f)	1 npt(f)	1 npt(f)	1 npt(f)	1 npt(f)	1 npt(f)

\* For other in-outlet connections, please refer to the ordering information "Fittings" in our brochure 344837.

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

### 4-Ball Lower Features

- 1** Enclosed Wet Cup
  - Minimizes operator interaction for reduced maintenance
  - Maintains consistent lubrication for packings
- 2** Spring Loaded Packings
  - Increases the life of throat packings
  - Consistent torque - no operator adjustment
- 3** Improved Coatings
  - Standard Chromex™ coated rods and standard chrome coated cylinders for durable pump performance
- 4** Lubrication Bottle
  - See-through bottle for visual checks
  - Screw-in design for easy access and refill
- 5** Stainless Steel (standard) or Carbide (optional) Seats

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.

Graco is certified ISO 9001.

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