

# Sealed 4-ball lowers



# No routine maintenance

With Graco's sealed 4-ball lower

## Sealed fluid section

- Completely eliminates the need for TSL

## Improved durability

- NEW Ultralife coatings on lower rods and cylinders – a smoother finish compared to standard ceramic coatings results in less wear and a longer seal life
- Redesigned carbide outlet checks result in a significantly longer life
- Industry-leading design that continues pumping in the event of a bellows failure, giving you time to schedule maintenance



750-2000 cc

## Backwards compatible with most existing Graco circulation pumps

- Connection kits provide all components required to upgrade to the newest technology

## Lower ordering options

- Cylinder/rod coating
  - Choose Ultralife for most applications
  - Choose Chrome for fine pigment paint and fluids with low lubrication such as solvents and water
- Orientation
  - Alternate orientations\*\* for the inlet/outlet when mounted on the motor



2500, 3000, & 4000 cc

## Ordering information

### Sealed 4-ball lowers

SIZE	OUTPUT AT 20 CPM	MAXIMUM WORKING PRESSURE	PART NO.			
			ULTRALIFE	CHROME	ULTRALIFE 90° ROTATION	ULTRALIFE 180° ROTATION
750 cc	15 lpm (4.0 gpm)	31.7 bar (460 psi, 3.1 MPa)	17K656	25N400	25N424	25N416
1000 cc	20 lpm (5.3 gpm)	31.7 bar (460 psi, 3.1 MPa)	17K657	25N404	25N425	25N417
1500 cc	30 lpm (7.9 gpm)	31.7 bar (460 psi, 3.1 MPa)	17K658	25N408	25N426	25N418
2000 cc	40 lpm (10.6 gpm)	31.7 bar (460 psi, 3.1 MPa)	17K659	25N410	25N427	25N419
2500 cc	50 lpm (13.0 gpm)	31.7 bar (460 psi, 3.1 MPa)	17Z387	17Z390	17Z695	17Z698
3000 cc	60 lpm (16.0 gpm)	27.6 bar (400 psi, 2.8 MPa)	17Z388	17Z391	17Z696	17Z699
4000 cc	80 lpm (21.1 gpm)	20.7 bar (300 psi, 2.1 MPa)	17Z389	17Z392	17Z697	17Z700

### Connection kits\*

PART NO. SEALED 4-BALL 750-2000 cc	PART NO. OF SEALED 4-BALL PLUS 2500-4000 cc	MOTOR	PART NO. SEALED 4-BALL 750-2000 cc	PART NO. OF SEALED 4-BALL PLUS 2500-4000 cc	MOTOR
			17K525	17Z549	NXT 3400, 6500
17K524	—	E-Flo	17K525	17Z549	XL 3400, 6500
			17K517	17K517	Bulldog
17K525	17K525	E-Flo DC (2 hp)	17K517	—	Senator
			17K519	—	Viscount I
17K525	—	NXT 2200	17K520	17K520	Viscount II

\* Connection kits contain tie rods, shields and adapters - all the components required to upgrade to a sealed 4-ball lower. Refer to manual **311876** for complete information.

\*\* Refer to manuals **333022** or **3A5348** for mounting orientations.

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 according to ISO 9001.

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