

PUMP **up**

*the
productivity*

With Graco's Piston Pumps!



- Ideal for food-related, cosmetic and pharmaceutical applications
- 3 models with flow rates ranging from 4 to 23 gpm
- Available in double-ball and priming piston designs
- Perfect for fluid transfer and supply of low to high viscosity fluids

So, pump up the productivity in your plant!

Visit www.graco.com/sanitary to check out our full line of sanitary pumps, and find out what Graco® can do for you.

For more information visit our web site at www.graco.com/sanitary or call us at:

1-877-844-7226 (Press 3)



TECHNICAL SPECIFICATIONS

MONARK® 5:1 BARE PUMP

Fluid to air pressure ratio	5:1
Maximum fluid pressure	600 psi (41 bar, 4.1 MPa)
Maximum fluid flow at 100 cpm	4 gpm (15.1 lpm)
Maximum fluid flow at 60 cpm	2.5 gpm (9.5 lpm)
Volume per cycle	0.04 gal (0.15 liter)
Maximum operating temperature	200°F (93°C)
Maximum size pumpable solids	0.13 in (0.32 cm)
Maximum air input pressure	120 psi (8.2 bar; 0.8 MPa)
Air inlet size	3/8 npt(f)
Fluid outlet size	1-1/2 in (38 mm) Tri-Clamp
Instruction manual	307056

SENATOR® 4:1 BARE PUMP

Fluid to air pressure ratio	4:1
Maximum fluid pressure	400 psi (28 bar; 2.8 MPa)
Maximum fluid flow at 100 cpm	.23 gpm (87 lpm)
Maximum fluid flow at 60 cpm	.14 gpm (53 lpm)
Volume per cycle	0.23 gal (0.87 liter)
Maximum operating temperature	160°F (71°C)
Maximum size pumpable solids	0.25 in (0.64 cm)
Maximum air input pressure	100 psi (7 bar; 0.7 MPa)
Air inlet size	3/4 npsm(f)
Fluid outlet size	.2 in (50.8 mm) Tri-Clamp
Instruction manual	308076

BULLDOG® 10:1 BARE PUMP

Fluid to air pressure ratio	10:1
Maximum fluid pressure	1000 psi (70 bar; 7 MPa)
Maximum fluid flow at 100 cpm	13.3 gpm (50.3 lpm)
Maximum fluid flow at 60 cpm	8 gpm (31 lpm)
Volume per cycle	0.14 gal (0.54 liter)
Maximum air input pressure	100 psi (7 bar; 0.7 MPa)
Maximum operating temperature	160°F (71°C)
Maximum size pumpable solids	0.25 in (0.64 cm)
Air inlet size	3/4 npsm(f)
Fluid inlet size	4 in (10.2 cm)
Fluid outlet size	1-1/2 npt(f)
Weight	101 lb (46 kg)
Wetted parts	SST, PTFE, UHMWPE, Acetal, Delrin®
Instruction manual	306916

Delrin® is a registered trademark of DuPont.

ORDERING INFORMATION

MONARK 5:1 BARE PUMP

PART NUMBER	PUMP TYPE	PUMP LENGTH DESCRIPTION	PUMP INLET TYPE	PACKINGS	WEIGHT
207550	Double Ball	Drum Length	2 -1/8" (53.9 mm) Slotted	Buna & UHMWPE	33.0 lb (14.9 kg)
903035	Double Ball	Drum Length	2 -1/8" (53.9 mm) Slotted	PTFE	36.3 lb (16.4 kg)
954383	Double Ball	Stubby	1-1/2" in (38.1 mm) Clamp	Buna & UHMWPE	25.0 lb (11.3 kg)
965520	Double Ball	Stubby	1-1/2" in (38.1 mm) Clamp	PTFE	33.0 lb (14.9 kg)
952793	Priming Piston	Stubby	2" (50.8 mm) Priming Piston	Buna & UHMWPE	24.4 lb (11.0 kg)

SENATOR 4:1 BARE PUMP

PART NUMBER	PUMP TYPE	PUMP LENGTH DESCRIPTION	PUMP INLET TYPE	PACKINGS	WEIGHT
948292	Double Ball	Drum Length	4" (10.2 cm) Slotted	Buna, PTFE, UHMWPE	127 lb (57.6 kg)
948649	Double Ball	Stubby (Ram Package)	4" (10.2 cm) Slotted	Buna, PTFE, UHMWPE	95 lb (43.0 kg)
570019	Priming Piston	Drum Length (Ram Package)	4" (10.2 cm) Priming Piston	Buna, PTFE, UHMWPE	95 lb (43.0 kg)
949080	Double Ball	Stubby (CIP capable)	90 degree elbow, 3" (7.6 cm) Clamp	Buna, PTFE, UHMWPE	83 lb (37.6 kg)
949704	Double Ball	Drum Length (BES mount)	4" (10.2 cm) Clamp	Buna, PTFE, UHMWPE	86 lb (39.0 kg)

BULLDOG 10:1 BARE PUMP

PART NUMBER	PUMP TYPE	PUMP LENGTH DESCRIPTION	PUMP INLET TYPE	PACKINGS	WEIGHT
949444	Priming Piston	Drum Length (Ram Package)	4" (10.2 cm) Priming Piston	PTFE and UHMWPE	95 lb (43 kg)

ADDITIONAL PUMPS AND PACKAGES

Graco offers the most complete range of pumps, packages and systems to meet all of your application and cleaning requirements. Whether the material you use comes in pails, drums, bins, totes or tankers, Graco pumps and cleaning systems are designed to provide years of reliable service!