



SaniForce™

Piston Pumps for the Sanitary Industry

POWERFUL
ADVANCED
TECHNOLOGY



Improve serviceability and increase efficiency

- Flow rates ranging from 15 to 53 l/min (4 to 14 gpm)
- Available in double-ball or priming piston designs
- Ideal for most food-related, cosmetic and pharmaceutical applications
- Drum length and stubby options available

PROVEN QUALITY. LEADING TECHNOLOGY.

Ordering Information

SANIFORCE 6:1 PISTON PUMP

Part Number	Pump Type	Pump Length Description	Pump Inlet Type	Packings	Weight
24E840	Double Ball	Drum Length - 92 cm (36.2")	3.6 cm (1.44") Slotted	Buna, Nylon, Nitrile & Polychloroprene	16.7 kg (36.9 lb)
24G740	Double Ball	Drum Length (Ram Package)	15.2 cm (6") Clamp	Buna, Nylon, Nitrile & Polychloroprene	17 kg (38 lb)
24E839	Double Ball	Drum Length - 92 cm (36.2")	3.6 cm (1.44") Slotted	PTFE	16.7 kg (36.9 lb)
24E838	Double Ball	Stubby	6.3 cm (2.5") Clamp	Buna, UHMWPE & Polychloroprene	13.1 kg (28.9 lb)
24E837	Double Ball	Stubby	6.3 cm (2.5") Clamp	PTFE	16.7 kg (36.9 lb)
24E836	Priming Piston	Stubby	5.8 cm (2.3") Priming Piston	Buna, Nylon, Nitrile & Polychloroprene	16.8 kg (33.8 lb)
24G739	Priming Piston	Stubby (Ram Package)	15.2 cm (6") Clamp	Buna, Nylon, Nitrile & Polychloroprene	16 kg (35 lb)
24F942	Double Ball	Bin Length - 123 cm (48.5")	3.6 cm (1.44") Slotted	Buna, Nylon, Nitrile & Polychloroprene	18 kg (39.7 lb)

SANIFORCE 5:1 PISTON PUMP

Part Number	Pump Type	Pump Length Description	Pump Inlet Type	Packings	Weight
24F195	Double Ball	Drum Length (Bung Mount)	10.2 cm (4") Slotted	Buna, PTFE, UHMWPE & FKM	54.1 kg (119 lb)
24E833	Double Ball	Stubby (Ram Package)	10.2 cm (4") Slotted	Buna, PTFE, UHMWPE & FKM	41.4 kg (91.3 lb)
24G742	Double Ball	Drum Length (Ram Package)	15.2 cm (6") Clamp	Buna, PTFE, UHMWPE & FKM	43 kg (95 lb)
24E831	Priming Piston	Drum Length	10.2 cm (4") Priming Piston	Buna, PTFE, UHMWPE, Polychloroprene, Nylon & FKM	43.2 kg (95.3 lb)
24G741	Priming Piston	Drum Length (Ram Package)	15.2 cm (6") Clamp	Buna, PTFE, UHMWPE, Polychloroprene, Nylon & FKM	45 kg (99 lb)
24F196	Double Ball	Stubby	90° elbow 6.3 cm (2.5") Clamp	Buna, FKM, PTFE & UHMWPE	42.2 kg (93.1 lb)
24F197	Double Ball	Stubby (BES Mount)	10.2 cm (4") Clamp	Buna, PTFE, Silicone, FKM & UHMWPE	41.1 kg (90.6 lb)

SANIFORCE 12:1 PISTON PUMP

Part Number	Pump Type	Pump Length Description	Pump Inlet Type	Packings	Weight
24F625	Priming Piston	Stubby (Ram Package)	15.2 cm (6") Priming Piston	Acetal, PTFE, Nitrile and UHMWPE	55 kg (122 lb)
24F626*	Priming Piston	Stubby (Ram Package)	15.2 cm (6") Priming Piston	Acetal, PTFE, Nitrile and UHMWPE	55 kg (122 lb)

*for use with sticky viscous material

Technical Specifications

	SaniForce 6:1 Piston Pump	SaniForce 5:1 Piston Pump	SaniForce 12:1 Piston Pump
Fluid to air pressure ratio	6:1	5:1	12:1
Max. fluid pressure	41 bar (4.1 MPa - 600 psi)	28 bar (2.8 MPa - 400 psi)	83 bar (8.3 MPa - 1200 psi)
Max. fluid flow at 60 cpm	15.1 l/min (4.0 gpm)	53 l/min (14.0 gpm)	32 l/min (8.5 gpm)
Air consumption at 60 cpm	31 cfm at 7 bar (0.7 MPa - 100 psi)	69 cfm at 5.5 bar (0.5 MPa - 80 psi)	116 cfm at 7 bar (0.7 MPa - 100 psi)
Volume per cycle	0.25 l (0.067 gal)	0.87 l (0.23 gal)	0.54 l (0.14 gal)
Max. operating temperature (fluid)	121°C (250°F)	60°C (140°F)	71°C (160°F)
Max. operating temperature (air motor)	48.8°C (120°F)	48.8°C (120°F)	48.8°C (120°F)
Max. size pumpable solids	0.32 cm (0.13")	0.64 cm (0.25")	0.64 cm (0.25")
Max. air input pressure	7.0 bar (0.7 MPa - 100 psi)	5.5 bar (0.55 MPa - 80 psi)	7 bar (0.7 MPa - 100 psi)
Air inlet size	1/2 npsm(f)	1/2 npsm(f)	1/2 npsm(f)
Fluid outlet size	3.8 cm (1.5") Tri-Clamp	5.1 cm (2.0") Tri-Clamp	5.1 cm (2.0") Tri-Clamp
Fluid inlet	3.8 cm (1.5") Tri-Clamp (select sizes)	6.3 cm (2.5") Tri-Clamp (24F196 only)	15.2 cm (6.0") Tri-Clamp
Instruction manual	3A0733	3A0734	3A0735

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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