

SaniForce™

Piston Pumps for the Sanitary Industry

POWERFUL
ADVANCED
TECHNOLOGY



unleash the
POWER

Improve serviceability and increase efficiency

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

motralec

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Ordering Information

SANIFORCE 6:1 PISTON PUMP

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

SANIFORCE 5:1 PISTON PUMP

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

SANIFORCE 12:1 PISTON PUMP

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

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

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