



# SaniForce™

Piston Pumps for the Sanitary Industry



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



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 - 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<br>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                              |

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.

Call today for product information or to request a demonstration.

**877.84GRACO** (1-877-844-7226) or visit us at [www.gracosaniforce.com](http://www.gracosaniforce.com)

©2010 Graco Inc. Form No. 338591 Rev. D 9/10 Printed in the U.S.A.

All other brand names or marks are used for identification purposes and are trademarks of their respective owners.

