



FDA-Compliant

Air Operated Double Diaphragm Pumps

- Ideal for food-related applications requiring maximum portability
- Three models with flow rates ranging from 40 to 150 gpm
- All fluid contact materials are FDA-Compliant and meet the United States Code of Federal Regulations (CFR) Title 21
- Easy to clean with its quick knock down design
- Featuring Graco's durable, lube-free, non-sticking air valve
- Leak detector available



For more information visit www.graco.com/sanitary
or call **877-844-7226**

PUMP
up
the volume

PROVEN QUALITY. LEADING TECHNOLOGY

Technical Specifications

	1040 FDA	1590 FDA	2150 FDA
Maximum fluid working pressure	120 psi (8 bar, 0.8 MPa)	120 psi (0.8 MPa, 8 bar)	120 psi (0.8 MPa, 8 bar)
Air pressure operating range	20-120 psi (1.4-8 bar, 0.14-0.8 MPa)	20-120 psi (0.14-0.8 MPa, 1.4-8 bar)	20-120 psi (0.14-0.8 MPa, 1.4-8 bar)
Maximum air consumption	50 scfm	130 scfm	175 scfm
Air consumption at 70 psi/20 gpm	18 scfm	42 scfm	70 scfm
Maximum free-flow delivery	40 gpm (151 lpm)	90 gpm (341 lpm)	150 gpm (568 lpm)
Gallons (Liters) per cycle	0.16 (0.57)*	0.5 (1.9)*	0.97 (3.67)*
Maximum suction lift	29 ft (8.83 m) wet, 16 ft (4.87 m) dry	29 ft (8.84 m) wet, 14 ft (4.27) dry	29 ft (8.83 m) wet, 16 ft (4.87 m) dry
Maximum size pumpable solids	1/8 in (3.2 mm)	3/16 in (4.8 mm)	1/4 in (6.3 mm)
Maximum fluid operating temperature is based on the following maximum diaphragm, ball, and seat temperature ratings			
Stainless steel	250°F (121.1°C)	250°F (121.1°C)	250°F (121.1°C)
PTFE	220°F (104.4°C)	220°F (104.4°C)	220°F (104.4°C)
Santoprene®	180°F (82.2°C)	180°F (82.2°C)	180°F (82.2°C)
EPDM	275°F (135°C)	275°F (135°C)	275°F (135°C)
Neoprene	200°F (93.3°C)	200°F (93.3°C)	200°F (93.3°C)
Air inlet size	0.5 in npt(f)	0.5 in npt(f)	0.5 in npt(f)
Fluid inlet/outlet size	1.5 in sanitary flange	2 in sanitary flange	2.5 in sanitary flange
Weight - All models	55 lb (24.9 kg)	89 lb (40 kg)	147 lb (66.7 kg)
Instruction manual	311879	311879	311879

*Displacement per cycle may vary based on suction condition, discharge head, air pressure and fluid type

Ordering information

Inlet/Outlet	Size	Seats/O-rings	Balls	Diaphragms	Kits	O-rings	Balls	Diaphragms
FD1111 - 1040	1.5 in	SST/PTFE	PTFE	PTFE	FK1111 - 1040 Fluid Repair	PTFE O-rings	PTFE	PTFE
FD1122 - 1040	1.5 in	SST/PTFE	Santoprene	Santoprene	FK1122 - 1040 Fluid Repair	PTFE O-rings	Santoprene	Santoprene
FD1211 - 1040	1.5 in	SST/EPDM	PTFE	PTFE	FK1211 - 1040 Fluid Repair	EPDM O-rings	PTFE	PTFE
FD1222 - 1040	1.5 in	SST/EPDM	Santoprene	Santoprene	FK1222 - 1040 Fluid Repair	EPDM O-rings	Santoprene	Santoprene
FD2111 - 1590	2 in	SST/PTFE	PTFE	PTFE	FK2111 - 1590 Fluid Repair	PTFE O-rings	PTFE	PTFE
FD2122 - 1590	2 in	SST/PTFE	Santoprene	Santoprene	FK2122 - 1590 Fluid Repair	PTFE O-rings	Santoprene	Santoprene
FD2211 - 1590	2 in	SST/EPDM	PTFE	PTFE	FK2211 - 1590 Fluid Repair	EPDM O-rings	PTFE	PTFE
FD2222 - 1590	2 in	SST/EPDM	Santoprene	Santoprene	FK2222 - 1590 Fluid Repair	EPDM O-rings	Santoprene	Santoprene
FD3111 - 2150	2.5 in	SST/PTFE	PTFE	PTFE	FK3111 - 2150 Fluid Repair	PTFE O-rings	PTFE	PTFE
FD3122 - 2150	2.5 in	SST/PTFE	Santoprene	Santoprene	FK3122 - 2150 Fluid Repair	PTFE O-rings	Santoprene	Santoprene
FD3211 - 2150	2.5 in	SST/EPDM	PTFE	PTFE	FK3211 - 2150 Fluid Repair	EPDM O-rings	PTFE	PTFE
FD3222 - 2150	2.5 in	SST/EPDM	Santoprene	Santoprene	FK3222 - 2150 Fluid Repair	EPDM O-rings	Santoprene	Santoprene
FD1113 - 1040	1.5 in	PTFE	PTFE	Overmolded PTFE				
FD1213 - 1040	1.5 in	EPDM	PTFE	Overmolded PTFE				
FD1132 - 1040	1.5 in	PTFE	Weighted Neoprene	Santoprene				
FD1232 - 1040	1.5 in	EPDM	Weighted Neoprene	Santoprene				
FD2113 - 1590	2 in	PTFE	PTFE	Overmolded PTFE				
FD2213 - 1590	2 in	EPDM	PTFE	Overmolded PTFE				
FD2132 - 1590	2 in	PTFE	Weighted Neoprene	Santoprene				
FD2232 - 1590	2 in	EPDM	Weighted Neoprene	Santoprene				
FD3113 - 2150	2.5 in	PTFE	PTFE	Overmolded PTFE				
FD3213 - 2150	2.5 in	EPDM	PTFE	Overmolded PTFE				
FD3132 - 2150	2.5 in	PTFE	Weighted Neoprene	Santoprene				
FD3232 - 2150	2.5 in	EPDM	Weighted Neoprene	Santoprene				



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.graco.com.

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