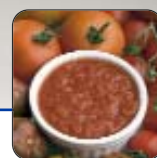


# Style your process

Let the pump do the job



## GRACO'S NEW FDA PUMPS !

- Ideal for food-related applications requiring maximum portability
- 3 models with flow rates ranging from 150 to 570 lpm
- 316 stainless steel wetted and fluid center sections
- Easy to clean with its quick knockdown design
- Featuring Graco's durable, lube-free, non-sticking air valve
- Optional leak detection available

For more information, visit our website at [www.graco.be](http://www.graco.be)

PROVEN QUALITY. LEADING TECHNOLOGY.



# FDA Pumps

## Ordering Information

FDA Pumps	Type	Size	Seats	O-rings	Balls	Diaphragms
FD1111	1040	1,5 inch	SST	PTFE	PTFE	PTFE
FD1122	1040	1,5 inch	SST	PTFE	Santoprene®	Santoprene®
FD1211	1040	1,5 inch	SST	EPDM	PTFE	PTFE
FD1222	1040	1,5 inch	SST	EPDM	Santoprene®	Santoprene®
FD1113	1040	1,5 inch	SST	PTFE	PTFE	PTFE Heavy Duty
FD1213	1040	1,5 inch	SST	EPDM	PTFE	PTFE Heavy Duty
FD1132	1040	1,5 inch	SST	PTFE	Neoprene with SST core	Santoprene®
FD1232	1040	1,5 inch	SST	EPDM	Neoprene with SST core	Santoprene®
FD2111	1590	2 inch	SST	PTFE	PTFE	PTFE
FD2122	1590	2 inch	SST	PTFE	Santoprene®	Santoprene®
FD2211	1590	2 inch	SST	EPDM	PTFE	PTFE
FD2222	1590	2 inch	SST	EPDM	Santoprene®	Santoprene®
FD2113	1590	2 inch	SST	PTFE	PTFE	PTFE Heavy Duty
FD2213	1590	2 inch	SST	EPDM	PTFE	PTFE Heavy Duty
FD2132	1590	2 inch	SST	PTFE	Neoprene with SST core	Santoprene®
FD2232	1590	2 inch	SST	EPDM	Neoprene with SST core	Santoprene®
FD3111	2150	2,5 inch	SST	PTFE	PTFE	PTFE
FD3122	2150	2,5 inch	SST	PTFE	Santoprene®	Santoprene®
FD3211	2150	2,5 inch	SST	EPDM	PTFE	PTFE
FD3222	2150	2,5 inch	SST	EPDM	Santoprene®	Santoprene®
FD3113	2150	2,5 inch	SST	PTFE	PTFE	PTFE Heavy Duty
FD3213	2150	2,5 inch	SST	EPDM	PTFE	PTFE Heavy Duty
FD3132	2150	2,5 inch	SST	PTFE	Neoprene with SST core	Santoprene®
FD3232	2150	2,5 inch	SST	EPDM	Neoprene with SST core	Santoprene®

Repair Kits	O-rings	Balls	Diaphragms
FK1111	1040 Fluid Repair	PTFE	PTFE
FK1122	1040 Fluid Repair	PTFE	Santoprene®
FK1211	1040 Fluid Repair	EPDM	PTFE
FK1222	1040 Fluid Repair	EPDM	Santoprene®
FK1113	1040 Fluid Repair	PTFE	PTFE Heavy Duty
FK1213	1040 Fluid Repair	EPDM	PTFE Heavy Duty
FK1132	1040 Fluid Repair	PTFE	Neoprene with SST core
FK1232	1040 Fluid Repair	EPDM	Neoprene with SST core
FK2111	1590 Fluid Repair	PTFE	PTFE
FK2122	1590 Fluid Repair	PTFE	Santoprene®
FK2211	1590 Fluid Repair	EPDM	PTFE
FK2222	1590 Fluid Repair	EPDM	Santoprene®
FK2113	1590 Fluid Repair	PTFE	PTFE Heavy Duty
FK2213	1590 Fluid Repair	EPDM	PTFE Heavy Duty
FK2132	1590 Fluid Repair	PTFE	Neoprene with SST core
FK2232	1590 Fluid Repair	EPDM	Neoprene with SST core
FK3111	2150 Fluid Repair	PTFE	PTFE
FK3122	2150 Fluid Repair	PTFE	Santoprene®
FK3211	2150 Fluid Repair	EPDM	PTFE
FK3222	2150 Fluid Repair	EPDM	Santoprene®
FK3113	2150 Fluid Repair	PTFE	PTFE Heavy Duty
FK3213	2150 Fluid Repair	EPDM	PTFE Heavy Duty
FK3132	2150 Fluid Repair	PTFE	Neoprene with SST core
FK3232	2150 Fluid Repair	EPDM	Neoprene with SST core

## Technical specifications

### 1040 FDA

Maximum fluid working pressure ..... 0,8 Mpa , 8 Bar (120 psi)  
 Air pressure operating range ..... 0,14 - 0,8 Mpa , 1,4 - 8 Bar (20 - 120 psi)  
 Maximum air consumption ..... 1,40 m³/min (50 scfm)  
 Air consumption at 70 psi / 20 gpm ..... 0,51 m³/min (18 scfm)  
 Maximum free-flow delivery ..... 159 l / min (42 gpm)  
 \* Liters (Gallons) per cycle ..... 0,57 (0,16)  
 Maximum suction lift ..... 8,83 meter (29 ft) wet , 4,87 meter (16 ft) dry  
 Maximum size pumpable solids ..... 3,2 mm (1/8 inch)  
*Maximum fluid operating temperature is based on the following maximum diaphragm, ball and seat temperature ratings*  
 Stainless steel ..... 121,1 °C (250°F)  
 PTFE ..... 104,4 °C (220°F)  
 Santoprene® ..... 180°F (82,2°C)  
 EPDM ..... 135°C (275°F)  
 Air inlet size ..... 0,5 inch npt (f)  
 Fluid inlet/outlet size ..... 1,5 inch in Sanitary flange  
 Weight - All model ..... 24,9 Kg (55 lb)  
 Instruction manual ..... 311879

### 1590 FDA

Maximum fluid working pressure ..... 0,8 Mpa , 8 Bar (120 psi)  
 Air pressure operating range ..... 0,14 - 0,8 Mpa , 1,4 - 8 Bar (20 - 120 psi)  
 Maximum air consumption ..... 3,68 m³/min (130 scfm)  
 Air consumption at 70 psi/50 gpm ..... 1,19 m³/min (42 scfm)  
 Maximum free-flow delivery ..... 378,5 l / min (100 gpm)  
 \* Liters (Gallons) per cycle ..... 1,9 (0,5)  
 Maximum suction lift ..... 8,83 meter (29 ft) wet , 4,27 meter (14 ft) dry  
 Maximum size pumpable solids ..... 4,8 mm (3/16 inch)  
*Maximum fluid operating temperature is based on the following maximum diaphragm, ball and seat temperature ratings*  
 Stainless steel ..... 121,1 °C (250°F)  
 PTFE ..... 104,4 °C (220°F)  
 Santoprene ..... 82,2°C (180°F)  
 EPDM ..... 135°C (275°F)  
 Air inlet size ..... 0,5 inch npt (f)  
 Fluid inlet/outlet size ..... .2 in sanitary flange  
 Weight - All models ..... 40 Kg (89 lb)  
 Instruction manual ..... .311879

### 2150 FDA

Maximum fluid working pressure ..... 0,8 Mpa , 8 Bar (120 psi)  
 Air pressure operating range ..... 0,14 - 0,8 Mpa , 1,4 - 8 Bar (20 - 120 psi)  
 Maximum air consumption ..... 4,95 m³/min (175 scfm)  
 Air consumption at 70 psi/80 gpm ..... 1,98 m³/min (70 scfm)  
 Maximum free-flow delivery ..... 568 l / min (150 gpm)  
 \* Gallons (Liters) per cycle ..... 3,67 (0,97)  
 Maximum suction lift ..... 8,83 meter (29 ft) wet , 4,87 meter (16 ft) dry  
 Maximum size pumpable solids ..... 6,3 mm (1/4 inch)  
*Maximum fluid operating temperature is based on the following maximum diaphragm, ball and seat temperature ratings*  
 Stainless steel ..... 121,1 °C (250°F)  
 PTFE ..... 104,4 °C (220°F)  
 Santoprene ..... 82,2°C (180°F)  
 EPDM ..... 135°C (275°F)  
 Air inlet size ..... 0,5 inch npt (f)  
 Fluid inlet/outlet size ..... 2,5 inch in Sanitary flange  
 Weight - All models ..... 66,7 Kg (147 lb)  
 Instruction manual ..... .311879

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