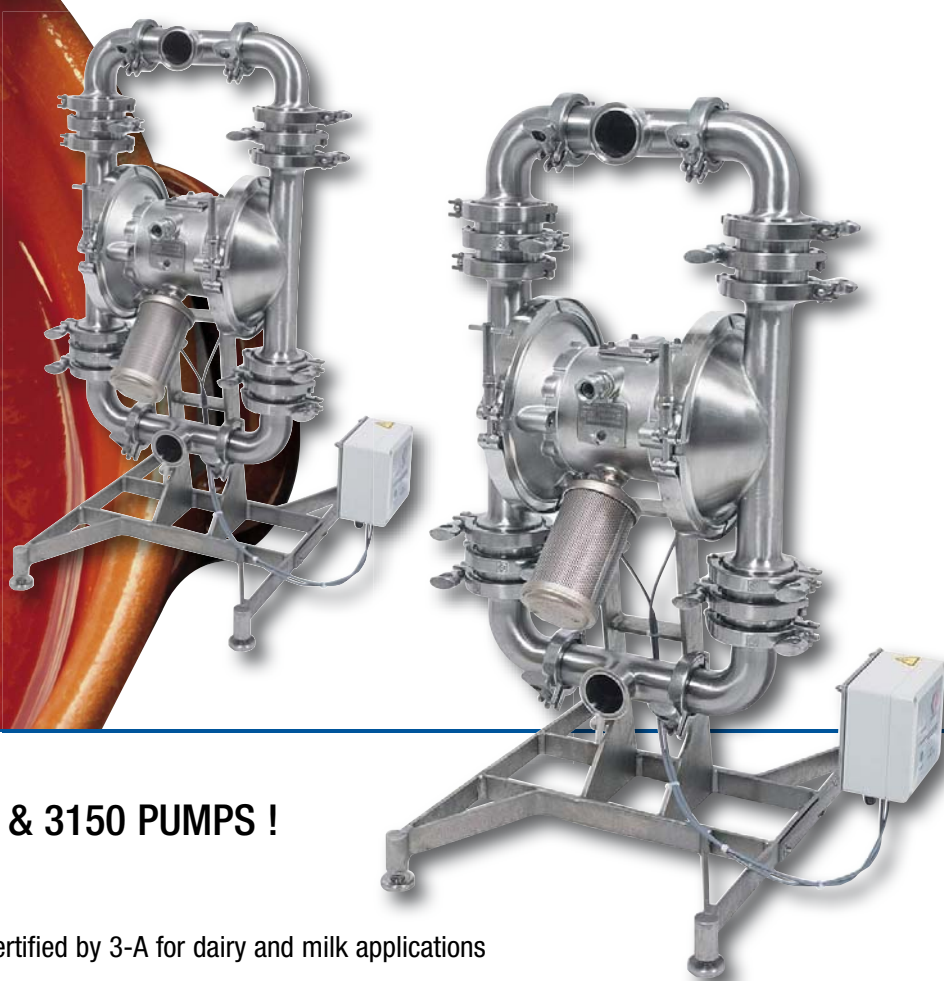


Style your process

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GRACO'S NEW 1590 & 3150 PUMPS !

- Graco 3-inch pumps are certified by 3-A for dairy and milk applications
- Models have a flow rates ranging from 340 to 570 lpm
- Easy to clean with its quick knock down, 185° rotating design
- Featuring Graco's durable, lube-free, non-sticking air valve

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GRACO'S NEW 1590 & 3150 PUMPS !

Technical specification

3150 High Sanitary pump Technical Specifications

Maximum fluid working pressure.....	0,8 Mpa , 8 Bar (120 psi)
Maximum free flow delivery (*).....	568 l/min (150 gpm)
Maximum suction lift ball type.....	5,5 m (18 ft) wet , 2,7 m (9 ft) dry
Maximum suction lift flapper type.....	3,0 m (10 ft) , 1,5 m (5 ft)
Maximum size of pumpable solids with ball type.....	25,4 mm (1 inch)
Maximum size of pumpable solids with flapper type.....	63,5 mm (2,5 inch)
Maximum Santoprene Diaphragm operating temperature.....	82,2 °C (180°F)
Maximum Buna-N Diaphragm operating temperature.....	82,2 °C (180°F)
Maximum Fluorelastomer Diaphragm operating temperature.....	121 °C (250°F)
Maximum EPDM Diaphragm operating temperature.....	135 °C (275°F)
Typical sound level at 4,9 bar Air (70 psi) Air @ 50 cpm.....	85 dba
Air pressure operating range.....	1,4 to 8,4 Bar (20 to 120 psi) (0,14 to 0,84 Mpa)
Air inlet size.....	1/2 npt(f)
Fluid inlet & outlet size (determined by part n°).....	Tri-Clamp connections
Weight.....	66 Kg (145 lb)
Instruction Manual.....	310622

(*) Flow rates are with muffler and do not vary based on diaphragm material.

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

1590 High Sanitary pump Technical Specifications

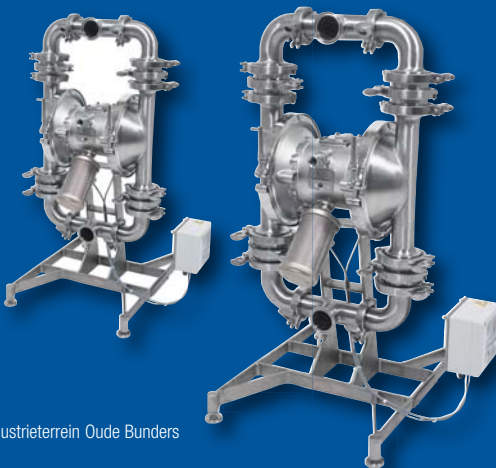
Maximum fluid working pressure.....	0,8 Mpa , 8 Bar (120 psi)
Maximum free flow delivery.....	378 l/min (90 gpm)
Maximum suction lift.....	8,5 m (28 ft) wet , 4,57 m (15 ft) dry
Maximum size pumpable solids.....	15,9 mm (5/8 inch)
Air pressure operating range.....	1,4 to 8,4 Bar (20 to 120 psi) (0,14 to 0,84 Mpa)
Maximum Air consumption.....	3,52 m³/min (125 scfm)
Air consumption at 4,82 Bar (70 psi) air inlet pressure / 227 l/min (60 gpm):.....	1,41 m³/min (50 scfm)
Maximum pump speed.....	200 cpm
(*) Liters (Gallons) per cycle.....	1,96 (0,5)
(**) Maximum Noise Level at 100 psi , full flow.....	90 dba
(**) Sound Power Level.....	103 dba
(**) Noise Level at 4,82 Bar (70 psi) and 50 cpm.....	85 dba

Maximum fluid operating temperature is based on the following maximum diaphragm, ball and seat temperature ratings

PTFE.....	104,4 °C (220°F)
Santoprene®.....	82,2°C (180°F)
3A Approved EPDM.....	135°C (275°F)
Air inlet size.....	0,5 in npt(f)
Weight.....	44Kg (97lb)
Instruction Manual.....	310622

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

(**) Noise levels measured with the pump mounted on the stand , sound power measured per ISO standard 9614-1



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Ordering Information

3150 High Sanitary 3A Pump with Leak Detector

Part N°	Pump Configuration	Inlet/outlet size	Balls Material	Diaphragms Material
SA1AAA	3A Approved Ball Check (HD)	1.5 in x 1.5 in	PTFE	Over-molded EPDM
SA2AAA	3A Approved Ball Check (HD)	2 in x 2 in	PTFE	Over-molded EPDM
SA3AAA	3A Approved Ball Check (HD)	3 in x 3 in	PTFE	Over-molded EPDM
SA4AAA	3A Approved Ball Check (HD)	4 in x 4 in	PTFE	Over-molded EPDM
SA5AAA	3A Approved Ball Check (HD)	3 in x 2 in	PTFE	Over-molded EPDM

3150 High Sanitary Ball Pump (SB)

Part N°	Type	Inlet/outlet size	Balls Material	Diaphragms Material
SB2AA1	Ball Check	2 in x 2 in	PTFE	Over-molded EPDM
SB3AA1	Ball Check	3 in x 3 in	PTFE	Over-molded EPDM
SB2661	Ball Check	2 in x 2 in	Santoprene®	Santoprene®
SB3661	Ball Check	3 in x 3 in	Santoprene®	Santoprene®
SB2771	Ball Check	2 in x 2 in	Buna-N	Buna-N
SB3771	Ball Check	3 in x 3 in	Buna-N	Buna-N
SB2881	Ball Check	2 in x 2 in	Fluorelastomer	Fluorelastomer
SB3881	Ball Check	3 in x 3 in	Fluorelastomer	Fluorelastomer

3150 High Sanitary Flapper Pump (SF)

Part N°	Type	Inlet/outlet size	Diaphragms Material
SF3AF1	Flapper Check	3 in x 3 in	Over-molded EPDM
SF4AF1	Flapper Check	4 in x 4 in	Over-molded EPDM
SF36F1	Flapper Check	3 in x 3 in	Santoprene®
SF46F1	Flapper Check	4 in x 4 in	Santoprene®
SF37F1	Flapper Check	3 in x 3 in	Buna-N
SF47F1	Flapper Check	4 in x 4 in	Buna-N
SF38F1	Flapper Check	3 in x 3 in	Fluorelastomer
SF48F1	Flapper Check	4 in x 4 in	Fluorelastomer

3150 Pump Kits & Accessories

Part N°	Type
15D989	Conversion kit: ball to flapper, includes four flapper assemblies
15H461	Conversion kit 3A: flapper to ball, including four housing retainers, balls need to be ordered separately
15E285	Conversion kit: flapper to ball, including four housing retainers, balls need to be ordered separately
112361	Santoprene Ball (order quantity 4)
15B492	Buna-N Balls (order quantity 4)
112359	PTFE Ball (order quantity 4)
15B491	Fluorelastomer Ball (order quantity 4)
253225	Santoprene Diaphragm kit
253223	Buna-N Diaphragm kit
253222	Fluorelastomer Diaphragm Kit
253224	Over-molded EPDM Diaphragm kit
15D990	Leak Detector kit

1590 High Sanitary Ball Pumps

Part N°	Type	Inlet/outlet size	Balls	Diaphragms
SABAAA	Ball Check	2 in x 2 in	PTFE	Over-molded EPDM
SBBAAA	Ball Check	2 in x 2 in	PTFE	Over-molded EPDM
SBBA11	Ball Check	2 in x 2 in	Santoprene®	Santoprene®
SBBA22	Ball Check	2 in x 2 in	Santoprene®	Santoprene®

1590 High Sanitary Ball Pumps

Part N°	Type
255122	Air Valve Repair Kit 3A
255058	Overmolded EPDM Diaphragm Kit
255059	Santoprene Diaphragm Kit
255060	PTFE Diaphragm Kit
15D990	Leak Detector
112421	Santoprene Ball (quantity: 1)
112419	PTFE Ball (quantity: 1)