

4-Cylinder, Medium-Pressure Diaphragm Pumps



DELTA 100 4-cylinder, medium pressure diaphragm pumps are internally manifolded with anodized aluminum construction and anodized aluminum and stainless steel liquid handling parts. Includes mounting rails and 6047.06 control unit with pressure gauge.

DELTA 100 pumps are excellent choices for various horticultural, agricultural, lawn care, nursery, pest control and turf spraying applications. They are also effectively used for aircraft de-icing, hydrostatic testing and cleaning applications.

Model	GPM	l/min	PSI	bar	RPM	Drive Configuration	Weight
DELTA 100 1C	26.0	104.0	560	40	550	1-3/8" 6-Spline Male PTO Shaft	51 LBS
DELTA 100 VA	26.0	104.0	560	40	550	Universal VA Drive Face. Mounting Rails	51 LBS
DELTA 100 GRL1	26.0	104.0	560	40	550	Gear Reduction for Gas Engine, 8-13 HP, 1" x 3-31/64" Shaft	51 LBS
DELTA 100 GR1	26.0	104.0	560	40	550	Gear Reduction for Gas Engine, 16-20 HP, 1" x 2-7/8" Shaft	51 LBS
DELTA 100 TS2C	26.0	104.0	560	40	550	1-3/8" 6-Spline Male PTO Thru-Shaft	72 LBS
DELTA 100 TSAVA	26.0	104.0	560	40	550	Universal VA Drive Face x 1-3/8" 6-Spline Male PTO	51 LBS

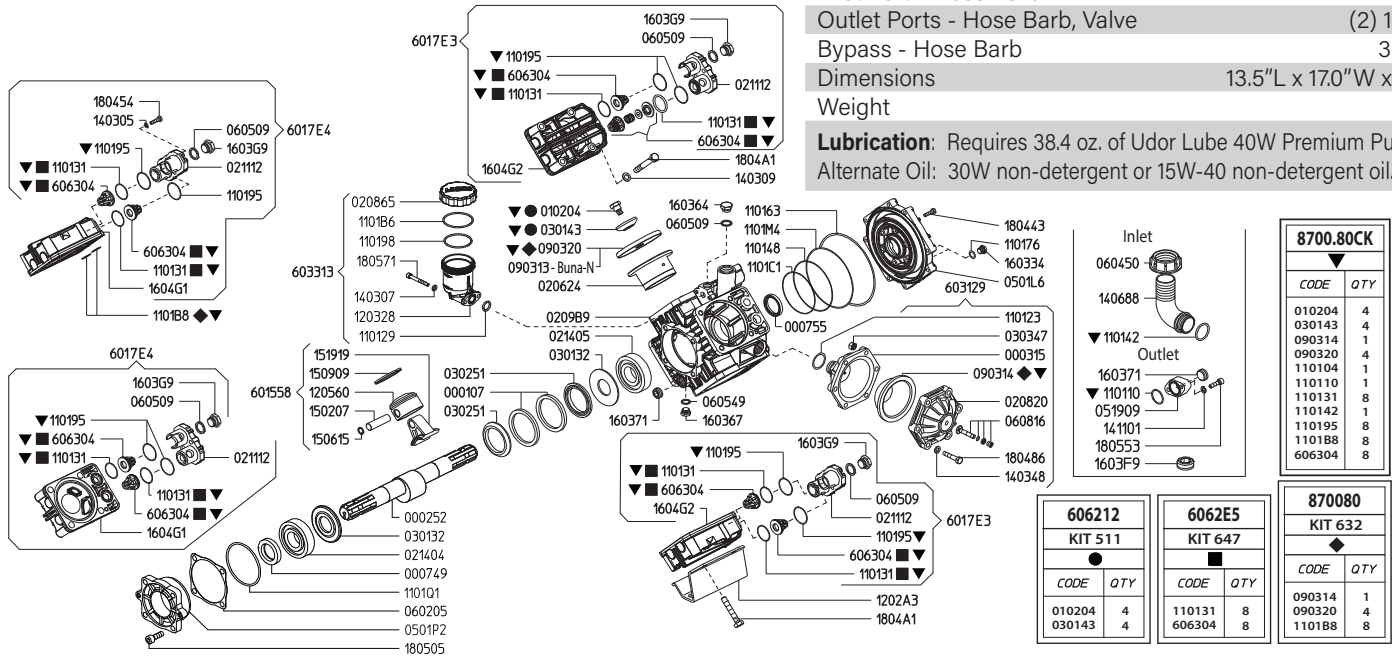
Specifications	DELTA 100	Description	Part #
Inlet Port	1-1/2" Hose Barb	Diaphragm Kit (GREENTECH)	8700.80
Outlet Ports	(2) 3/4" Hose Barb	Diaphragm Bolt / Washer Kit	6062.12
Bypass	1" Hose Barb	Valve Kit	6062.E5
Piston Diameter	60mm	Regulator Repair Kit	6062.53
Crankshaft Stroke/Code	170mm / G	Complete Repair Kit	8700.80CK
Dimensions	13.5"L x 17.0"W x 13.0"H		

Lubrication: Requires 38.4 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



Maximum Flow	26.0 GPM / 104 lpm
Maximum Pressure	560 PSI / 40 bar
Maximum RPM	540
Inlet Port - Hose Barb	1-1/2" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions	13.5"L x 17.0"W x 13.0"H
Weight	51 lbs

Lubrication: Requires 38.4 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

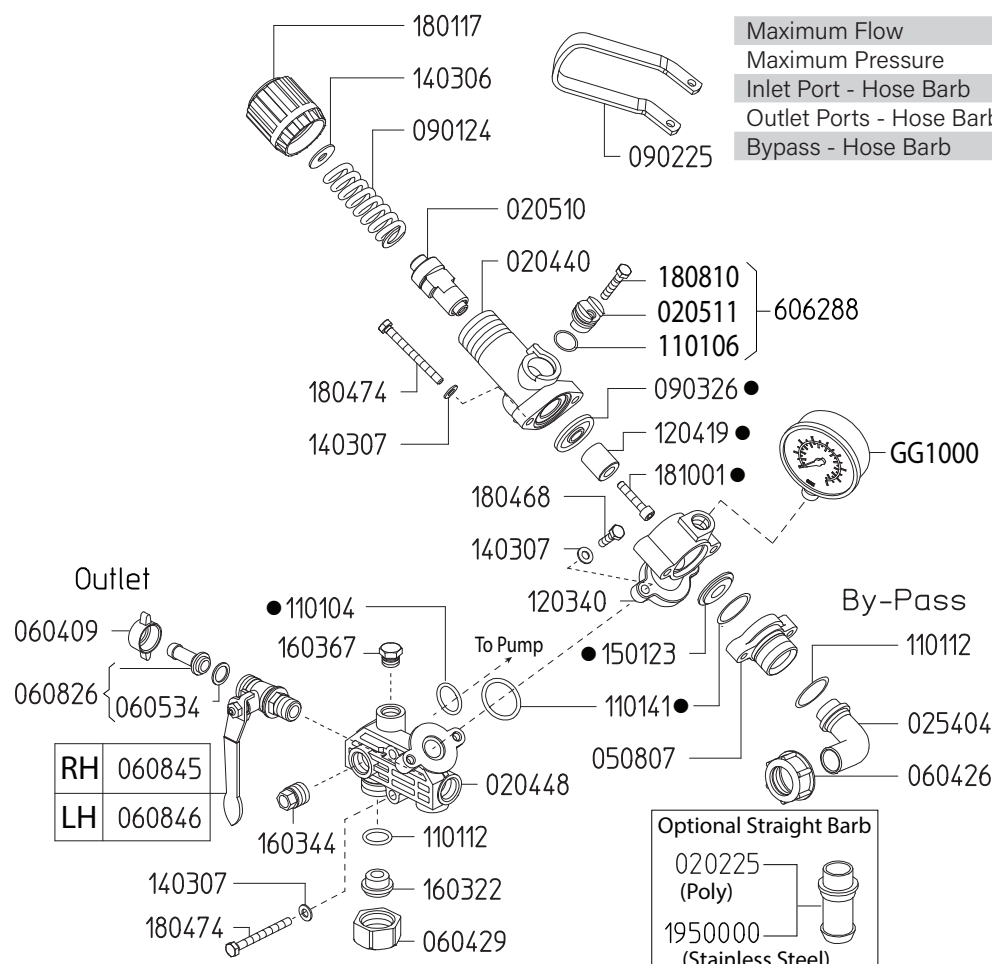


Revised 1-21-2026

Part #	Description	Qty	Part #	Description	Qty
0001.07	RETAINER RING	2	1101.Q1	O-RING - BEARING FLANGE	1
0002.52	SHAFT "DELTA-100" TS 2C	1	1202.A3	BASE PLATE "DELTA 100"	2
0003.15	PRESSURE ACCUMULATOR	1	1203.28	OIL RESERVOIR	1
0007.49	OIL SEAL D35	1	1205.60	ALUMINIUM PISTON D60	4
0007.49	OIL SEAL D35	1	1403.05	WASHER D8.4	8
0102.04	DIAPHRAGM BOLT ●▼	4	1403.07	WASHER D6.4	2
0206.24	SLEEVE D60	4	1403.09	WASHER D10.5	16
0208.20	ACCUMULATOR COVER	1	1403.48	WASHER D8,4	6
0208.65	OIL RESERVOIR COVER	1	1406.88	HOSE BARB D38	1
0209.B9	CRANKCASE "DELTA 100"	1	1411.01	SERATED WASHER D6	2
0211.12	COVER "DELTA 75/100"	4	1502.07	PIN D15X54	4
0214.04	BALL BEARING D35	1	1506.15	SNAP RING D15	4
0214.05	BALL BEARING D35	1	1509.09	PISTON RING D60	4
0301.32	BEARING DISC "DELTA 75/100"	2	1519.19	CONNECTING ROD "DELTA 75/100"	4
0301.43	DIAPHRAGM DISC ●▼	4	1603.34	PLUG G1/4	2
0302.51	ROD SPACER "DELTA 75/100"	2	1603.64	PLUG G3/8	1
0303.47	HEX NUT M8X8	1	1603.67	PLUG G1/4	1
0501.P2	BUSHING FLANGE	1	1603.71	PLUG G1/2	2
0501.L6	CRANKCASE FLANGE "DELTA 100"	1	1603.F9	PLUG G3/4	1
0519.09	REMOTE CONTROL FLANGE G1/2	1	1603.G9	HEAD PLUG 3/8	4
0602.05	GASKET	1	1604.G1	RIGHT HEAD	2
0604.50	BARB NUT G1-1/2"	1	1604.G2	LEFT HEAD	2
0605.09	GASKET D17	4	1804.43	HEX BOLT M6X35	14
0605.49	GASKET D13	1	1804.54	HEX BOLT M8X35	8
0608.16	AIR VALVE ASSEMBLY	1	1804.86	HEX BOLT M8X40	6
0903.13	PISTON DIAPHRAGM D100 BUNA-N	4	1804.A1	HEX BOLT M10X70	16
0903.14	ACCUMULATOR DIAPHRAGM ◆▼	1	1805.05	ALLEN BOLT M10X30	4
0903.20	PISTON DIAPHRAGM D100 GREENTECH ◆▼	4	1805.71	ALLEN BOLT M6X50	2
1101.10	O-RING - DISCHARGE PORT ▼	1	1805.53	ALLEN BOLT M6X22	2
1101.23	O-RING - PRESSURE ACCUMULATOR	1	6015.58	ROD ASSY "DELTA 75" D60	4
1101.29	O-RING - OIL RESERVOIR	1	6017.E3	HEAD ASSEMBLY - LEFT	2
1101.31	O-RING - VALVE ◆◆▼	8	6017.E4	HEAD ASSEMBLY - RIGHT	2
1101.42	O-RING - INLET HOSE BARB ▼	1	6031.29	PRESSURE ACCUMULATOR	1
1101.48	O-RING - CRANKCASE FLANGE	1	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.63	O-RING - CRANKCASE FLANGE	1	6063.04	VALVE ASSEMBLY W/O O-RING ◆▼	8
1101.76	O-RING - PLUG	2	6062.12	DIAPHRAGM DISC "DELTA 100" (KIT 511)	1
1101.95	O-RING - VALVE COVER	8	6062.E5	IN/OUTLET VALVE KIT "DELTA 100"(KIT 647)	1
1101.98	O-RING - OIL RESERVOIR	1	8700.24	DIAPHRAGM KIT - GREENTECH (KIT 632)	1
1101.B6	O-RING - OIL RESERVOIR	1	8700.24CK	COMPLETE REPAIR KIT	1
1101.B8	O-RING - HEAD	8			
1101.C1	O-RING - CRANKCASE FLANGE	1			
1101.M4	O-RING - CRANKCASE FLANGE	1			

- Parts in 6062.12 (Kit 511)
- ◆ Parts in 6062.E5 (Kit 647).
- ◆ Parts in 8700.24 (Kit 632)
- ▼ Parts in 8700.24 (Kit 632)

Adjustable Pressure Regulator



Maximum Flow	27.0 GPM / 102 lpm
Maximum Pressure	560 PSI / 38 bar
Inlet Port - Hose Barb	-
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB

Revised 1-21-2026

Part #	Description	Qty
0202.25	BYPASS HOSE BARB - STRAIGHT (OPTIONAL)	1
0204.40	VALVE BODY	1
0204.48	MAIN BODY	1
0205.10	VALVE CYLINDER	1
0205.11	VALVE CYLINDER CAM	2
0254.04	BYPASS HOSE BARB - ELBOW	1
0508.07	BYPASS FLANGE	1
0604.09	DISCHARGE BARB NUT	2
0604.26	BYPASS BARB NUT	1
0604.29	BARB NUT	1
0605.34	GASKET	2
0608.26	1/2" HOSE BARB W/GASKET	2
0608.45	BALL VALVE; RIGHT	1
0608.46	BALL VALVE; LEFT	1
0901.24	SPRING (HIGH PRESSURE)	1
0902.25	DUMP VALVE LEVER	1
0903.26	DIAPHRAGM ●	1
1101.04	O-RING ●	1
1101.06	O-RING	2
1101.12	O-RING	1

Part #	Description	Qty
1101.41	O-RING ●	2
1203.40	ADAPTER FLANGE	1
1204.19	STEEL POPPET ●	1
1403.06	WASHER	1
1403.07	WASHER	6
1501.23	SEAT ●	1
1603.02	PLUG	2
1603.14	PLUG	1
1603.22	PLUG	1
1801.17	ADJUSTMENT KNOB	1
1804.68	BOLT	2
1804.74	BOLT	4
1808.10	BOLT	2
1810.01	STAINLESS STEEL BOLT ●	1
6062.53	REPAIR KIT FOR 6047.06 CONTROL UNIT	1
6062.88	REGULATOR CAM KIT	2
GG1000	PRESSURE GAUGE - 1000 PSI BOTTOM MOUNT	1

● Parts included in Repair Kit #6062.53

The control unit features a manual dump valve, pressure control knob, glycerine filled pressure gauge, and two ball valve discharge ports.

- Before operating or re-operating pump, push the manual dump valve lever (0902.25) down so the pump will start at zero pressure. FAILURE TO DO SO WILL VOID PUMP WARRANTY.
- Turn pressure adjusting knob (1801.17) counter-clockwise to relieve spring tension. NOTE: Step 2 applies only to initial start-up, and is not necessary in daily operation of pump.
- Start unit and let run until air is evacuated from system, when only liquid is expelled from the by-pass line.
- Return dump valve lever to the UP position. Open spray gun or spray boom and turn the pressure adjustment knob (1801.17) clockwise until desired operating pressure is achieved.

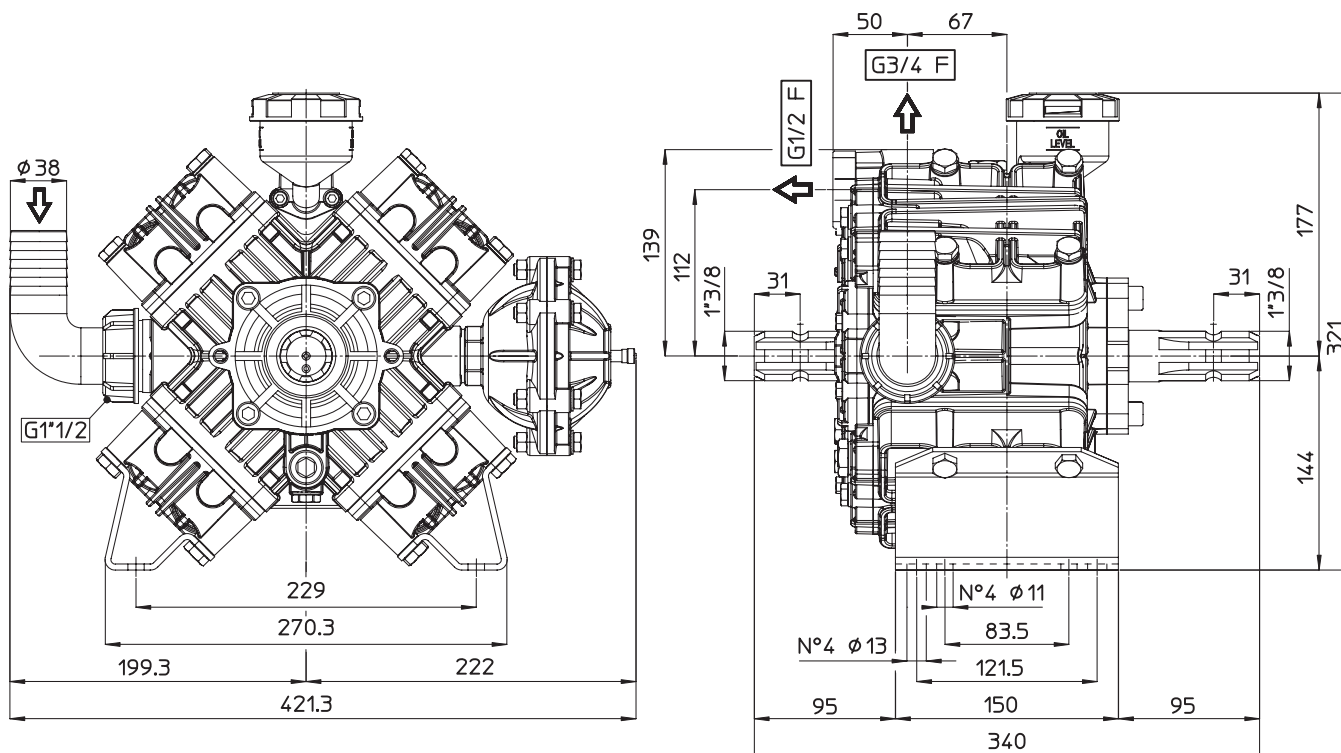
DELTA 100 DIMENSIONS

**All Dimensions are WITHOUT
Control Unit or Regulator**

***Dimensional Drawings are
Shown in Millimeters.
To Convert to Inches,
Multiply Dimension x 0.03937***

Specifications		DELTA 100
Inlet Port - Hose Barb		1-1/2"HB
Outlet Ports - Hose Barb		(2) 3/4"HB
Bypass - Hose Barb		1" HB
Dimensions		13.5"L x 17.0"W x 13.0"H
Diaphragm Material	GREENTECH (Std)	Buna-N (Opt)

Lubrication: Requires 40 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



TORQUE SPECS

Ref.	Description	Ft./lb.	Nm
1	Diaphragm Bolts (Use Loctite 243)	18	25
2	Head Bolts	30	40
3	Pulsation Dampener Bolts	18	25
4	Inlet Flange Bolts	7	10
5	Bearing Flange Bolts	25	34
6	Oil Cup Bolts	6	8
7	Valve Cover Bolts	18	25

