

3-Cylinder, Low-Pressure Diaphragm Pumps



ZETA 100 low pressure 3-cylinder diaphragm pumps have anodized aluminum bodies with plasticized aluminum heads, stainless steel valves and glass-filled nylon manifolds. A pulsation dampener standard on all models.

ZETA 100 pumps are excellent for various horticultural and agricultural spraying applications.

Pumps are available with a Universal VA drive face, 1-3/8" Male PTO shaft, 1-3/8" Male PTO x 25mm solid, keyed thru-shaft or 2-bolt A-flange hydraulic motor mount with 1" hollow shaft.

Model	GPM	l/min	PSI	bar	RPM	Drive Configuration	Weight
ZETA 100 1C	26.0	98	300	20	550	1-3/8" 6-Spline Male PTO Shaft	30 LBS
ZETA 100 VA	26.0	98	300	20	550	Universal VA Drive Face.	30 LBS
ZETA 100 TS1C	26.0	98	300	20	550	1-3/8" 6-Spline Male PTO x 25mm Solid Keyed Thru-Shaft	30 LBS
ZETA 100 MI1	26.0	98	300	20	550	2-Bolt, A-Flange, 1" Hollow Shaft for Hydraulic Motor	30 LBS

Specifications	ZETA 100
Inlet Port	1-1/2" Hose Barb
Outlet Port	3/4" Hose Barb
Piston Diameter	65.0mm
Crankshaft Stroke/Code	18.0mm / A
Dimensions	13"L x 11"W x 12"H

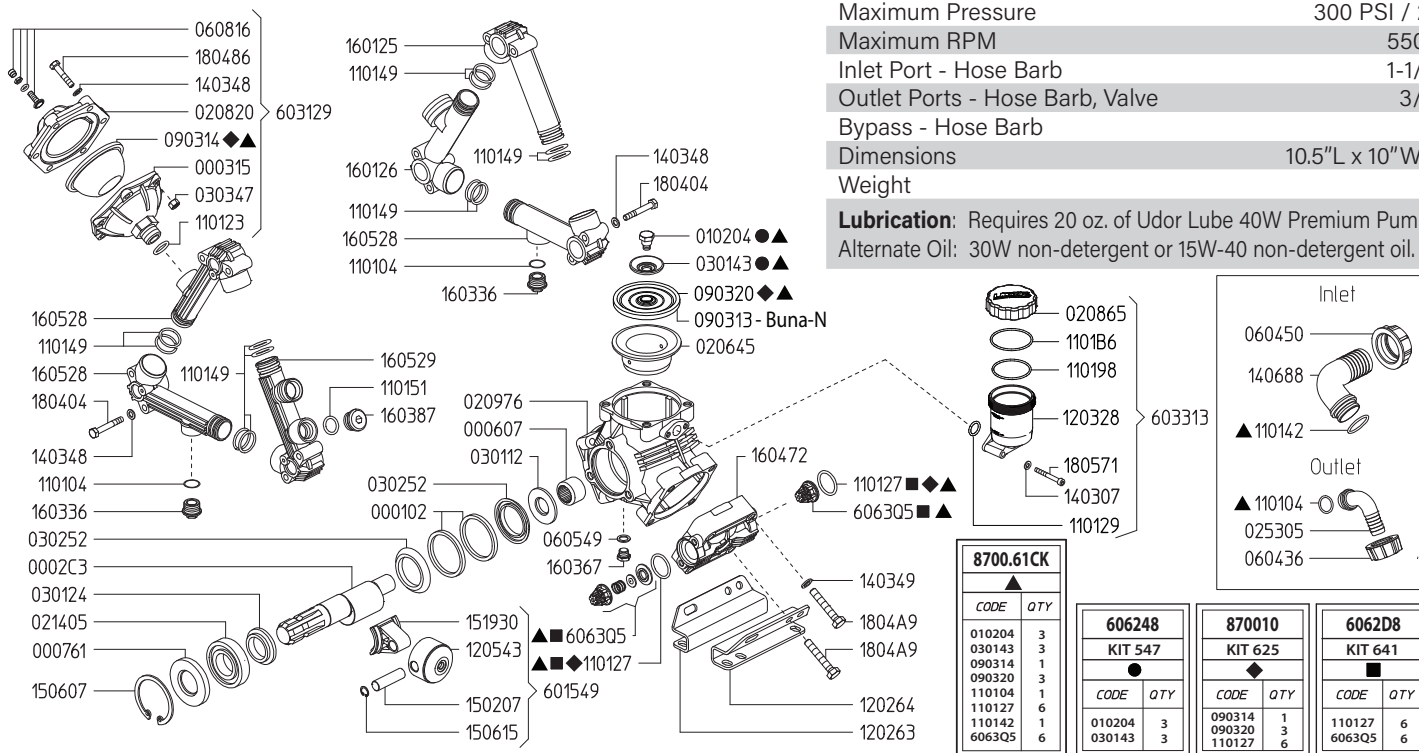
Lubrication: Requires 39 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

Description	Part #
Diaphragm Kit - GREENTECH	8700.10
Diaphragm Bolt & Washer Kit	6062.48
Valve Kit	6062.D8
Complete Repair Kit	8700.61CK



Maximum Flow	26.0 GPM / 98 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/2" HB
Outlet Ports - Hose Barb, Valve	3/4" HB
Bypass - Hose Barb	-
Dimensions	10.5"L x 10"W x 9"H
Weight	21 lbs

Lubrication: Requires 20 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



Revised 1-2-2024

Part #	Description	Qty	Part #	Description	Qty
0001.02	RETAINER RING	2	1205.43	ALUMINIUM PISTON D65	3
0002.C3	CRANKSHAFT 1C	1	1403.07	WASHER M6	2
0003.15	PRESSURE ACCUMULATOR BASE	1	1403.48	WASHER M8	18
0006.07	BUSHING D25	1	1403.49	WASHER M10	12
0007.61	OIL SEAL D35	1	1406.88	INLET HOSE BARB D38	1
0102.04	DIAPHRAGM BOLT ●	3	1502.07	PIN 15X54	3
0206.45	SLEEVE D65	3	1506.07	SNAP RING D72	1
0208.20	ACCUMULATOR COVER	1	1506.15	SNAP RING D15	3
0208.65	OIL RESERVIOR CAP	1	1519.30	CONNECTING ROD	3
0209.76	CRANKCASE	1	1601.25	INLET-OUTLET MANIFOLD	1
0214.05	BALL BEARING D35	1	1601.26	SUCTION MANIFOLD G1"1/2 M	1
0253.05	OUTLET HOSE BARB D20	1	1603.36	PLUG G3/4	2
0301.12	BEARING DISC - D25	1	1603.67	PLUG G1/4	1
0301.24	BEARING DISC - D35	1	1603.87	PLUG G3/4	1
0301.43	DIAPHRAGM WASHER ●	3	1604.72	HEAD	3
0302.52	ROD SPACER	2	1605.28	OUTLET MANIFOLD G3/4 F	3
0303.47	HEX NUT M8X8	6	1605.29	OUTLET MANIFOLD G1" M - G3/4 F	1
0604.36	BARB NUT G1"	1	1804.04	HEX BOLT M8X55	12
0604.50	BARB NUT G1-1/2"	1	1804.86	HEX BOLT M8X40	6
0605.49	GASKET D13	1	1804.A9	HEX BOLT M10X60	12
0608.16	AIR VALVE ASSEMBLY	1	1805.71	ALLEN BOLT M6X50	2
0903.13	PISTON DIAPHRAGM BUNA-N 100MM	3	6015.49	ROD ASSEMBLY D60 PISTON	3
0903.14	ACCUMULATOR DIAPHRAGM ◆	1	6031.29	PRESSURE ACCUMULATOR ASSEMBLY	1
0903.20	PISTON DIAPHRAGM GREENTECH 100MM ◆	3	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.04	O-RING - MANIFOLD PLUG	3	6063.Q5	VALVE ASSEMBLY W/O O-RING ■	6
1101.23	O-RING - ACCUMULATOR	1	6062.48	DIAPHRAGM BOLT & WASHER (KIT 547)	1
1101.27	O-RING - VALVE ◆■	6	6062.D8	IN/OUTLET VALVE KIT (KIT 641)	1
1101.29	O-RING - OIL RESERVOIR	1	8700.10	DIAPHRAGM KIT GREENTECH (KIT 625)	1
1101.42	O-RING - INLET HOSE BARB	1	8700.61CK	COMPLETE REPAIR KIT	1
1101.49	O-RING - MANIFOLD TUBES	12			
1101.51	O-RING - MANIFOLD PLUG	1			
1101.98	O-RING - OIL RESERVOIR	1			
1101.B6	O-RING - OIL RESERVOIR	1			
1203.28	OIL RESERVIOR	1			

- Parts in 6062.48 (Kit 547).
- Parts in 6062.D8 (Kit 641).
- ◆ Parts in 8700.10 (Kit 625).
- ▲ Parts in 8700.61CK (Complete Repair Kit)

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

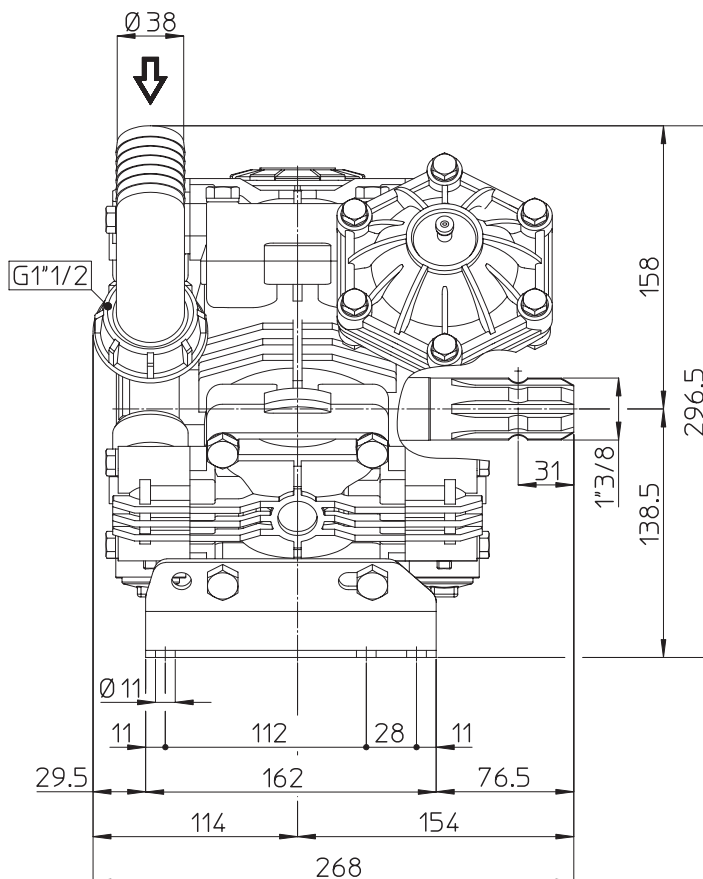
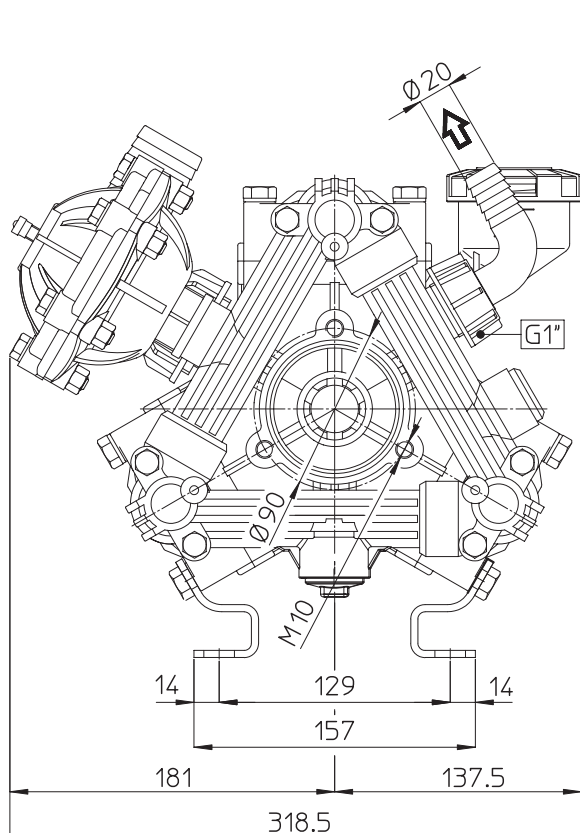
**Dimensional Drawings are
Shown in Millimeters.
To Convert to Inches,
Multiply Dimension x 0.03937**

Specifications

ZETA 100

Inlet Port - Hose Barb	1-1/4" HB
Outlet Port - Hose Barb	3/4" HB
Dimensions	10.5"L x 10"W x 9"H
Diaphragm Material	GREENTECH (Std) Buna-N (Opt)

Lubrication: Requires 39 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	Oil Cup Bolts	6	8
5	Manifold Bolts (Plastic)	14	20

