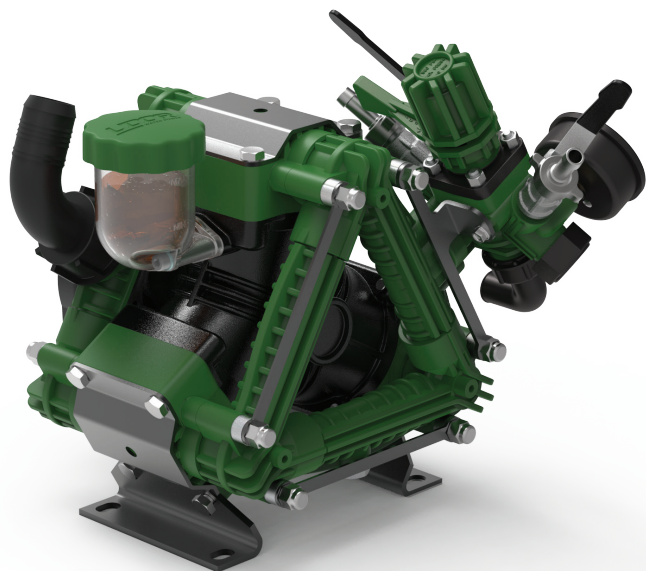


3-Cylinder, Low-Pressure Diaphragm Pumps



ZETA-PP 42 low pressure 3-cylinder diaphragm pumps have anodized aluminum bodies with polypropylene heads & manifolds, and stainless steel valves. A control valve with pressure gauge is standard on all models.

ZETA-PP pumps are excellent for soft wash as well as various horticultural and agricultural spraying applications.

Model	GPM	l/min	PSI	bar	RPM	Drive Configuration	Weight
ZETA-PP 42 VA	10.5	42	300	20	550	Universal VA Drive Face.	24.3 LBS
ZETA-PP 42 VAGR3/4	10.5	42	300	20	550	Gear Reduction for 3/4" Shaft Gas Engine, 4-6.5 HP	31.3 LBS
ZETA-PP 42 MI1	10.5	42	300	20	550	2-Bolt, A-Flange, 1" Hollow Shaft for Hydraulic Motor	24.3 LBS

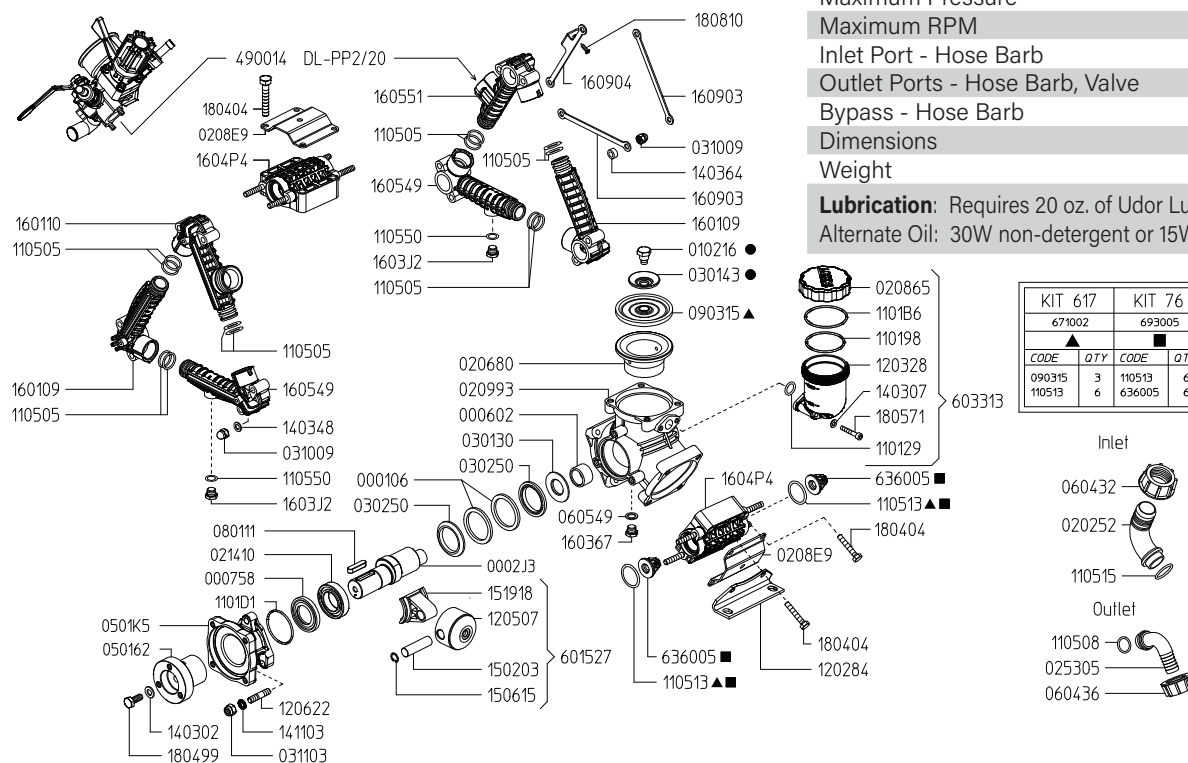
Specifications	ZETA-PP 42	Description	Part #
Inlet Port	1-1/4" Hose Barb	Diaphragm Kit - GREENTECH	6710.02
Outlet Ports - Valve	(2) 1/2" Hose Barb	Diaphragm Bolt & Washer Kit	6640.02
Bypass	3/4" Hose Barb	Valve Kit	6930.05
Piston Diameter	55.0mm		
Crankshaft Stroke/Code			
Dims. - Pump Only	11"L x 11"W x 12"H		
- GR Version	16"L x 11"W x 12"H		

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



Maximum Flow	10.5 GPM / 42.0 lpm
Maximum Pressure	300 PSI / 20 bar
Maximum RPM	550 RPM
Inlet Port - Hose Barb	1-1/4" HB
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB
Dimensions	11"L x 11"W x 12"H
Weight	24.3 lbs

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



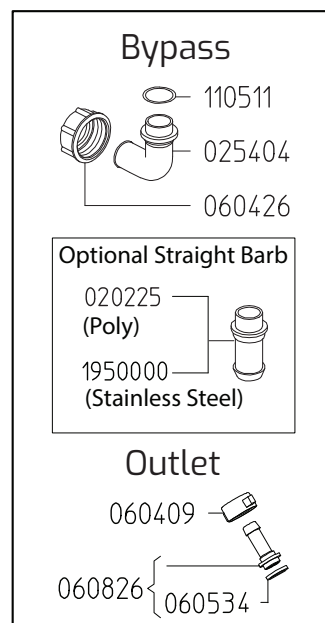
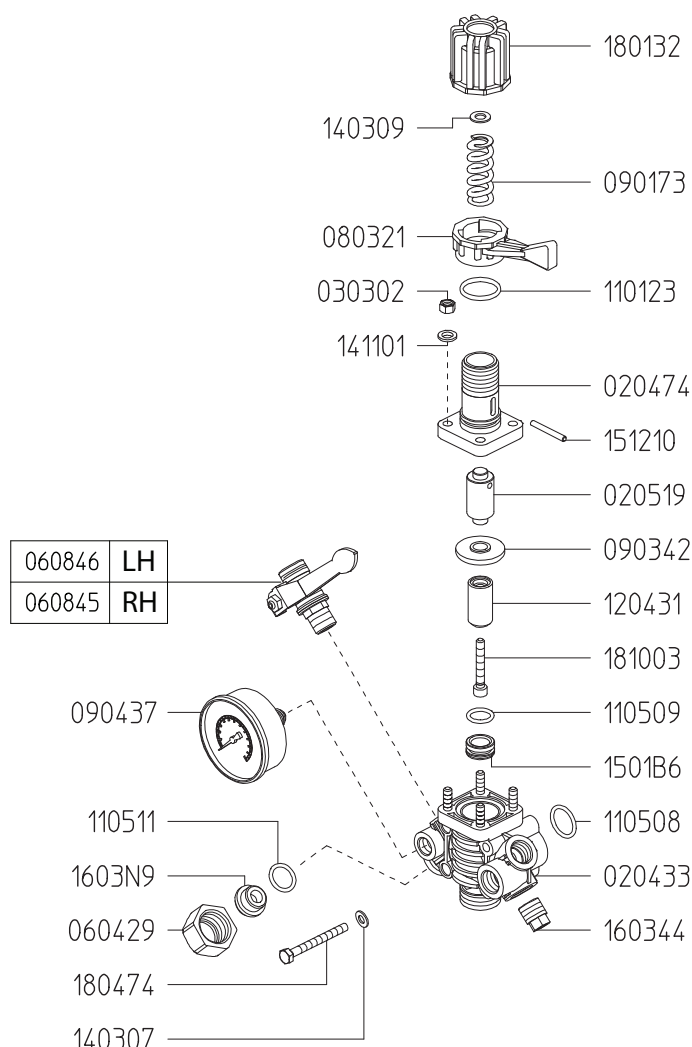
Revised 3-24-2025

Part #	Description	Qty	Part #	Description	Qty
0001.06	RETAINER RING	2	1205.07	PISTON	3
0002.J3	CRANKSHAFT - ZETA-PP VA	1	1206.22	STUD	3
0006.02	BUSHING D25	1	1403.02	WASHER	1
0007.58	OIL SEAL D35	1	1403.07	WASHER	2
0102.16	DIAPHRAGM BOLT ●	3	1403.48	WASHER	6
0202.52	INLET HOSE BARB ELBOW	1	1403.64	SPACER	6
0206.80	SLEEVE -	3	1411.03	WASHER	3
0208.65	OIL RESERVOIR COVER	1	1502.03	PIN	3
0208.E9	REINFORCING PLATE	3	1506.15	SNAP RING	3
0209.93	CRANKCASE	1	1519.18	CONNECTING ROD	3
0214.10	BEARING	1	1601.09	MANIFOLD TUBE	2
0253.05	OUTLET HOSE BARB ELBOW	1	1601.10	MANIFOLD TUBE	1
0301.43	DIAPHRAGM WASHER ●	3	1603.67	PLUG	1
0302.50	ROD SPACER	2	1603.J2	PLUG	2
0310.09	NUT	12	1604.P4	HEAD	3
0311.03	NUT	3	1605.49	MANIFOLD TUBE W/DRAIN	2
0501.62	FLANGE - VA	1	1605.51	MANIFOLD TUBE	1
0501.K5	BEARING FLANGE - VA	1	1609.03	TUBE BRACE	2
0604.32	NUT - INLET BARB	1	1609.04	TUBE BRACE	1
0604.36	NUT - OUTLET BARB	1	1804.04	HEX BOLT	12
0605.49	GASKET	1	1804.99	HEX BOLT	1
0801.11	KEY	1	1805.71	ALLEN BOLT M6X50	2
0903.15	DIAPHRAGM ▲	3	1808.10	SCREW	1
1101.29	O-RING, OIL RESERVOIR	1	4900.14	DL-PP2/20 REGULATOR	1
1101.98	O-RING, OIL RESERVOIR COVER, INNER	1	6015.27	CONNECTING ROD ASS'Y	3
1101.B6	O-RING, OIL RESERVOIR COVER, OUTER	1	6033.13	OIL RESERVOIR ASSEMBLY	1
1101.D1	O-RING	1	6360.05	VALVE ASS'Y W/O O-RING ■	6
1105.05	O-RING	12	6640.02	DIAPHRAGM BOLT & WASHER (81)	1
1105.08	O-RING - OUTLET BARB	1	6710.02	DIAPHRAGM KIT GREENTECH (KIT 617)	1
1105.13	O-RING, VALVE ▲ ■	6	6930.05	IN/OUTLET VALVE KIT (KIT 76)	1
1105.15	O-RING - INLET BARB	1			
1105.50	O-RING, DRAIN PLUG	2			
1202.84	PUMP MOUNTING RAIL	2			
1203.28	OIL RESERVOIR	1			

- Parts in 6640.02 (Kit 81)
- Parts in 6710.02 (Kit 617)
- ▲ Parts in 6930.05 (Kit 76)

Adjustable Pressure Regulator

Maximum Flow	27.0 GPM / 102 lpm
Maximum Pressure	350 PSI / 24 bar
Inlet Port - Hose Barb	-
Outlet Ports - Hose Barb, Valve	(2) 1/2" HB
Bypass - Hose Barb	3/4" HB



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Part #	Description	Qty
0202.25	BYPASS HOSE BARB - STRAIGHT (OPTIONAL)	1
0204.33	CONTROL BODY "DL-PP" - GREEN	1
0204.74	BODY	1
0205.19	CYLINDER	1
0254.04	BYPASS HOSE BARB - ELBOW	1
0303.02	NUT	4
0604.09	BARB NUT	2
0604.26	BYPASS BARB NUT	1
0604.29	BRASS NUT G3/4	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
0803.21	LEVER	1
0901.73	PRESS.SPRING "DL/20"	1
0903.42	DIAPHRAGM - BUNA	1
0904.37	PRESSURE GAUGE (20BAR)	1

Part #	Description	Qty
1101.23	O-RING	1
1105.08	O-RING	1
1105.09	O-RING D15,08	1
1105.11	O-RING D17,12	1
1204.31	POPPET	1
1403.07	WASHER	2
1403.09	WASHER D10,5	1
1411.01	SERRATED WASHER D6	4
1501.B6	SEAT "DL" D14	1
1512.10	PIN	1
1603.44	PLUG G3/8	1
1603.N9	PLUG	1
1801.32	ADJUSTABLE KNOB "DL"	1
1804.74	BOLT	2
1810.03	STAINLESS STEEL BOLT	1
19500.00	BYPASS HOSE BARB - STRAIGHT, SS (OPTIONAL)	1

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 the pump move lever (0803.21) to the dump position (Right) so the pump will start at zero pressure. (Failure to do so will void the pump warranty.)
- Turn pressure adjustment knob (1801.32) counter clockwise to relieve spring tension. This step only applies to the initial start up and is not necessary in daily operation of pump.
- Start unit and let run until air is evacuated from the system.
- Move lever (0803.21) to the pressure position (Left) open spray gun or spray boom and turn the pressure adjustment knob (1801.32) clockwise until desired operating pressure is achieved.

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

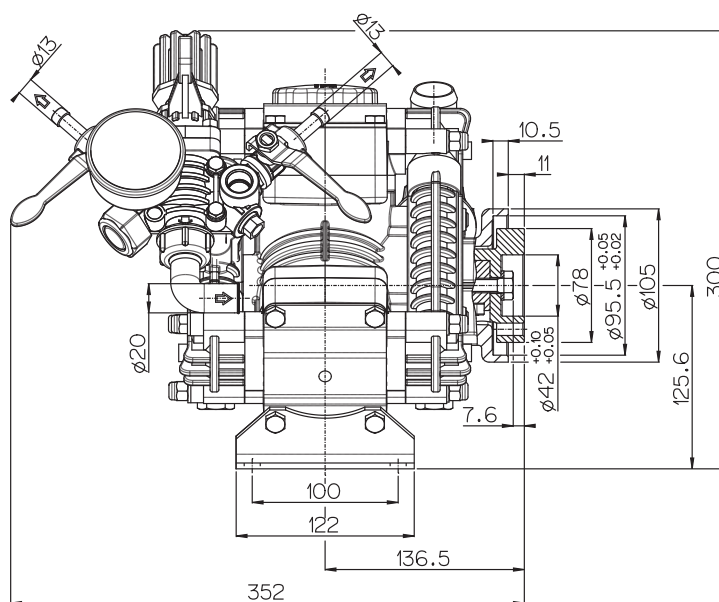
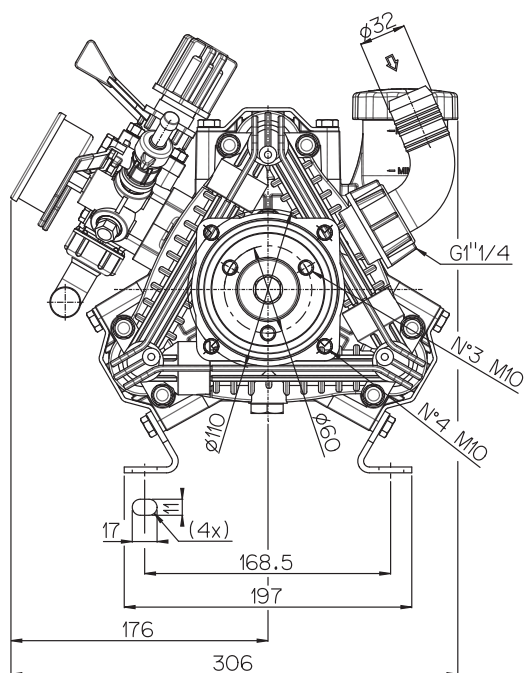
**Dimensional Drawings are
Shown in Millimeters.
To Convert to Inches,
Multiply Dimension x 0.03937**

Specifications

ZETA 70

Inlet Port - Hose Barb	1-1/4" HB
Outlet Port - Hose Barb	3/4" HB
Dimensions	11"L x 11"W x 12"H
Diaphragm Material	GREENTECH (Std) Buna-N (Opt)

Lubrication: Requires 20 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	18	25
3	Pulsation Dampener Bolts	18	25
4	Oil Cup Bolts	6	8
5	Manifold Bolts (Plastic)	7	10

