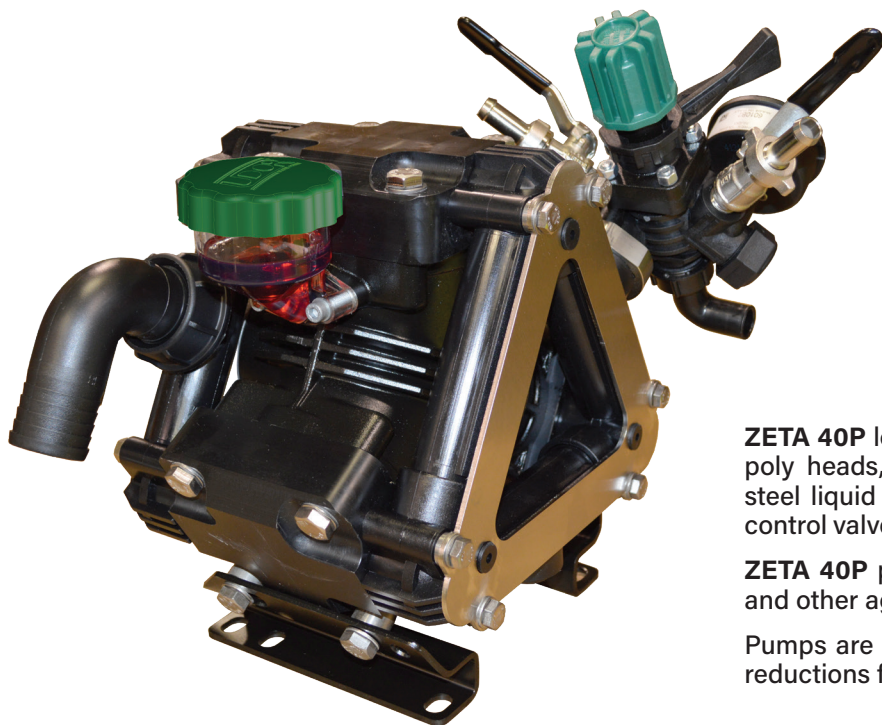


## 3-Cylinder, Low-Pressure Diaphragm Pumps



**ZETA 40P** low pressure 3-cylinder diaphragm pumps have poly heads, externally mounted manifolds and stainless-steel liquid handling parts and hardware components. A control valve with pressure gauge is standard on all models.

**ZETA 40P** pumps are excellent for the soft wash industry and other aggressive fluid applications.

Pumps are available with Universal VA Drive Face or gear reductions for 4 to 6.5 HP gas engines.

| Model                   | GPM  | l/min | PSI | bar | RPM | Drive Configuration                                | Weight |
|-------------------------|------|-------|-----|-----|-----|----------------------------------------------------|--------|
| <b>ZETA 40P VA</b>      | 10.5 | 44    | 300 | 20  | 550 | Universal VA Drive Face.                           | 29 LBS |
| <b>ZETA 40P VAGR3/4</b> | 10.5 | 44    | 300 | 20  | 550 | Gear Reduction for 3/4" Shaft Gas Engine, 4-6.5 HP | 36 LBS |

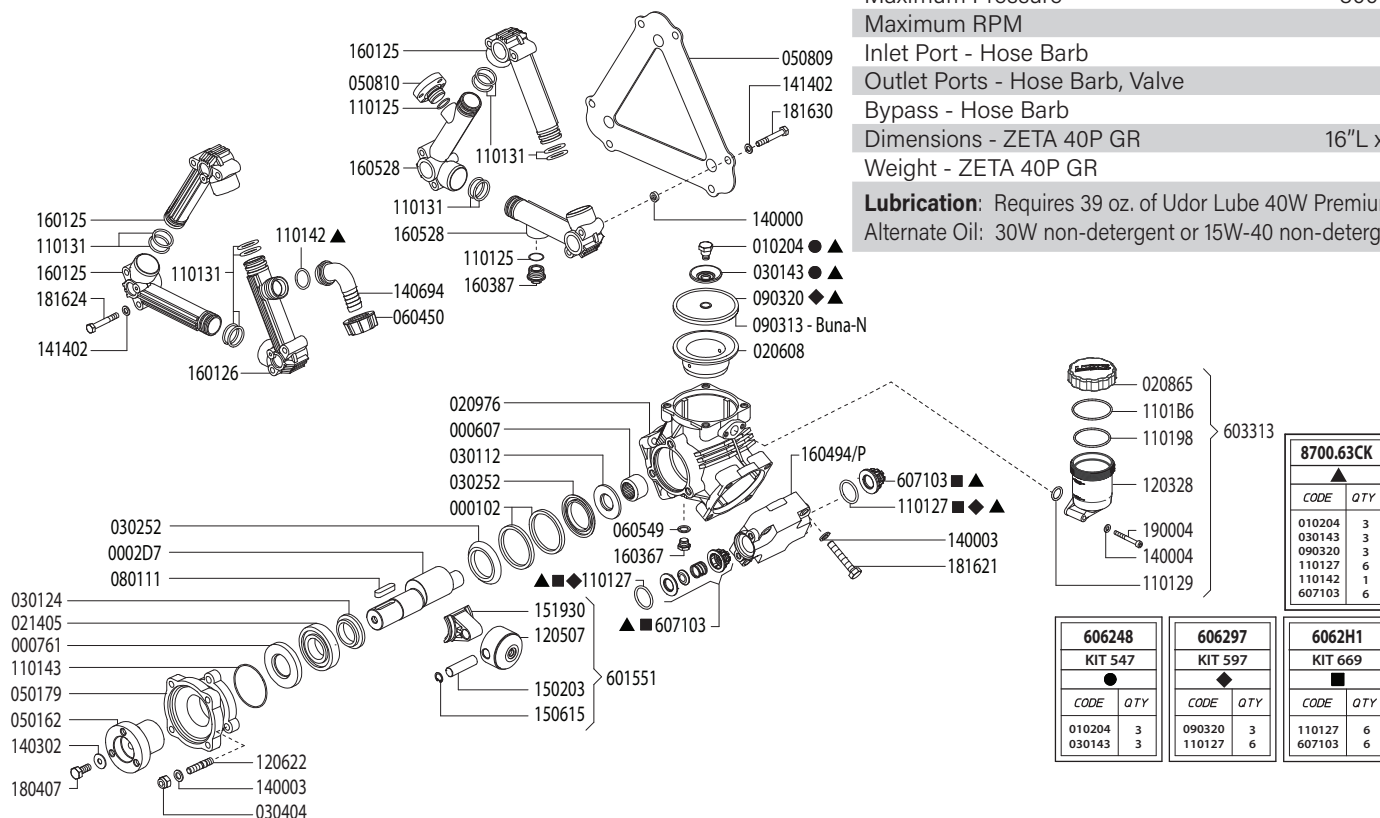
| Specifications         | ZETA 40P           | Description                 | Part #    |
|------------------------|--------------------|-----------------------------|-----------|
| Inlet Port             | 1-1/4" Hose Barb   | Diaphragm Kit - GREENTECH   | 6062.97   |
| Outlet Ports - Valve   | (2) 1/2" Hose Barb | Diaphragm Bolt & Washer Kit | 6062.48   |
| Bypass                 | 3/4" Hose Barb     | Valve Kit                   | 6062.H1   |
| Piston Diameter        | 55.0mm             | Regulator Repair Kit        | 6062.A9   |
| Crankshaft Stroke/Code | 11.0mm / J         | Complete Repair Kit         | 8700.63CK |
| Dims. - Pump Only      | 11"L x 11"W x 12"H |                             |           |
| - GR Version           | 16"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.



|                                 |                    |
|---------------------------------|--------------------|
| Maximum Flow                    | 10.5 GPM / 44 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 - ZETA 40P GR        | 16"L x 11"W x 12"H |
| Weight - ZETA 40P GR            | 36 lbs             |

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



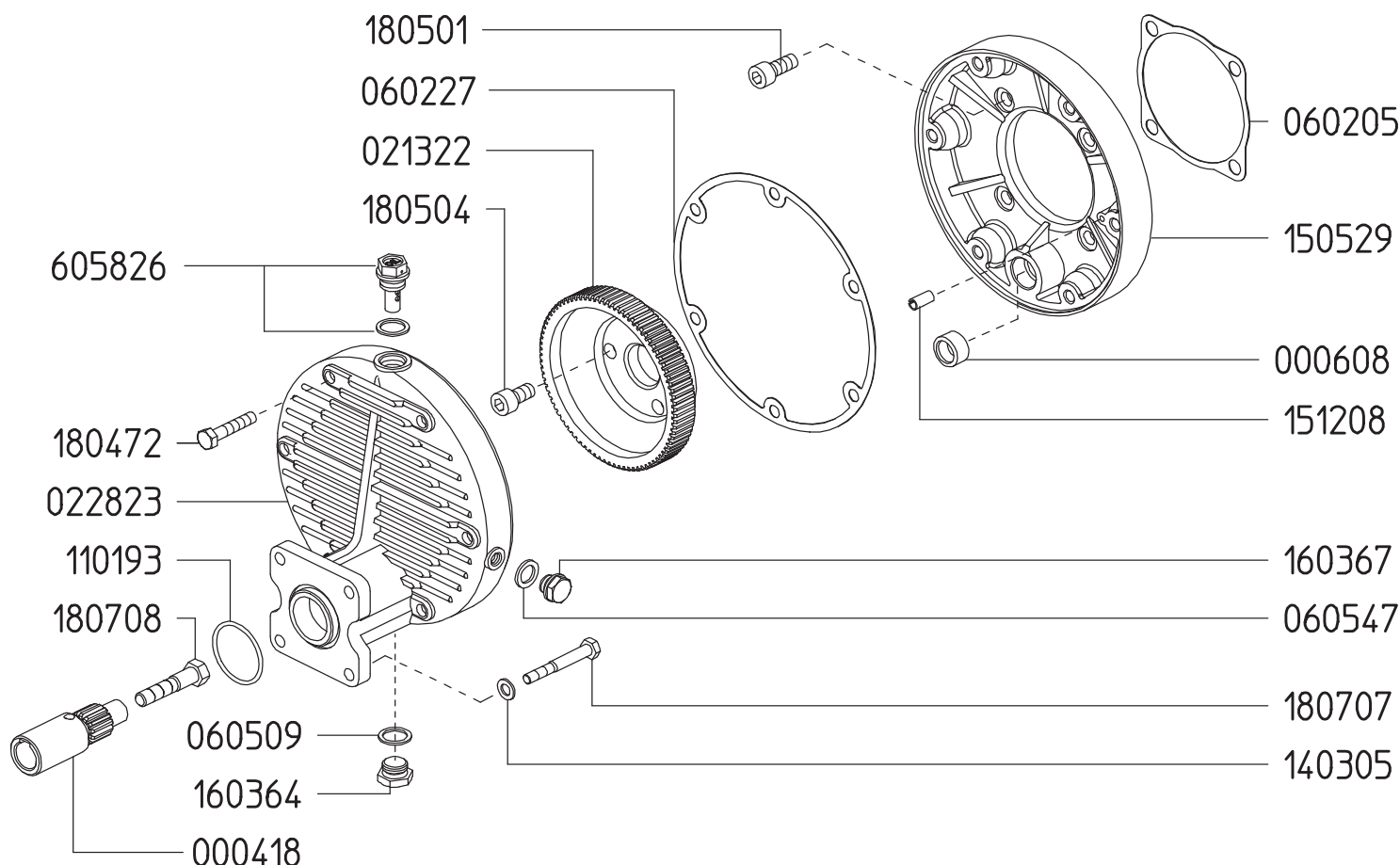
Revised 8-29-2024

| Part #  | Description                         | Qty |
|---------|-------------------------------------|-----|
| 0001.02 | RETAINER RING                       | 2   |
| 0002.D7 | CRANKSHAFT                          | 1   |
| 0006.07 | BEARING                             | 1   |
| 0007.61 | SEAL                                | 1   |
| 0102.04 | DIAPHRAGM BOLT S.S. ●▲              | 3   |
| 0206.08 | PISTON SLEEVE                       | 3   |
| 0208.65 | OIL RESERVIOR CAP                   | 1   |
| 0209.76 | CRANKCASE                           | 1   |
| 0214.05 | BALL BEARING D35                    | 1   |
| 0301.12 | BEARING DISC D25                    | 1   |
| 0301.24 | BEARING DISC D35                    | 1   |
| 0301.43 | DIAPHRAGM WASHER ●▲                 | 3   |
| 0302.52 | ROD SPACER                          | 2   |
| 0304.04 | NUT                                 | 3   |
| 0501.62 | ADAPTER - VA                        | 1   |
| 0501.79 | FLANGE - VA                         | 1   |
| 0508.09 | DISCHARGE PLATE S.S.                | 1   |
| 0508.10 | REGULATOR ADAPTER S.S.              | 1   |
| 0604.50 | BARB NUT                            | 1   |
| 0605.49 | OIL PLUG GASKET                     | 1   |
| 0801.11 | KEY 10X8X40                         | 1   |
| 0903.13 | PISTON DIAPHRAGM 100mm,BUNA-N       | 3   |
| 0903.20 | PISTON DIAPHRAGM 100mm,GREENTECH ◆▲ | 3   |
| 1101.25 | O-RING - PLUG & ADAPTER             | 2   |
| 1101.27 | O-RING - VALVE ◆■▲                  | 6   |
| 1101.29 | O-RING - OIL RESERVIOR              | 1   |
| 1101.31 | O-RING - MANIFOLD                   | 12  |
| 1101.42 | O-RING - INLET BARB▲                | 1   |
| 1101.43 | O-RING - FLANGE                     | 1   |
| 1101.98 | O-RING - OIL RESERVIOR              | 1   |
| 1101.B6 | O-RING - OIL RESERVIOR              | 1   |
| 1203.28 | OIL RESERVIOR                       | 1   |
| 1205.07 | ALUMINUM PISTON D55                 | 3   |

| Part #    | Description                         | Qty |
|-----------|-------------------------------------|-----|
| 1206.22   | STUD M10X46                         | 3   |
| 1400.00   | DISCHARGE MANIFOLD SPACER S.S.      | 6   |
| 1400.03   | HEAD BOLT WASHER S.S.               | 15  |
| 1400.04   | WASHER M8 S.S.                      | 2   |
| 1403.02   | WASHER M10                          | 1   |
| 1406.94   | SUCTION ELBOW 1-1/4"                | 1   |
| 1414.02   | MANIFOLD WASHER S.S.                | 12  |
| 1502.03   | CONNECTING ROD PIN 15X48            | 3   |
| 1506.15   | SNAP RING                           | 6   |
| 1519.30   | CONNECTING ROD                      | 3   |
| 1601.25   | INLET/OUTLET MANIFOLD TUBE          | 3   |
| 1601.26   | SUCTION MANIFOLD TUBE G1-1/2" M     | 1   |
| 1603.67   | OIL PLUG G1/4                       | 1   |
| 1603.87   | MANIFOLD PLUG G3/4                  | 2   |
| 1604.94/P | HEAD - POLY                         | 3   |
| 1605.28   | DISCHARGE MANIFOLD TUBE G3/4" F     | 2   |
| 1804.07   | HEX BOLT M10X25                     | 1   |
| 1816.21   | HEAD BOLT S.S.                      | 12  |
| 1816.24   | SUCTION MANIFOLD BOLT S.S.          | 6   |
| 1816.30   | DISCHARGE MANIFOLD BOLT S.S.        | 6   |
| 1900.04   | ALLEN BOLT M6X50 S.S.               | 2   |
| 6015.51   | PISTON / ROD ASSEMBLY D55           | 3   |
| 6033.13   | OIL RESERVOIR ASSEMBLY              | 1   |
| 6071.03   | VALVE ASSEMBLY 316SS W/O O-RING ■▲  | 6   |
| 6062.51   | DIAPHRAGM WASHER/BOLT (KIT 547)     | 1   |
| 6062.97   | DIAPHRAGM KIT - GREENTECH (KIT 597) | 1   |
| 6062.H1   | INLET/OUTLET VALVE KIT (KIT 669)    | 1   |
| 8700.63CK | COMPLETE REPAIR KIT                 | 1   |

- Parts in 6062.48 (Kit 547)
- ◆ Parts in 6062.97 (Kit 597).
- Parts in 6062.H1 (Kit 669).
- ▲ Parts in 8700.63CK (Complete Repair Kit)

**GAS ENGINE GEAR REDUCTION FOR  
KAPPA-55, ZETA-40/85/120 DIAPHRAGM PUMPS  
on GAS ENGINES with 3/4" SHAFTS**  
REQUIRES 16 OZ. 90W GEAR LUBE

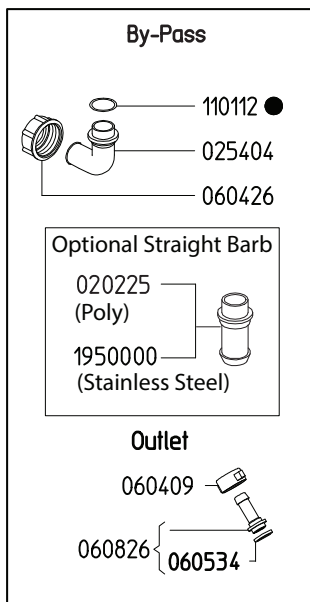
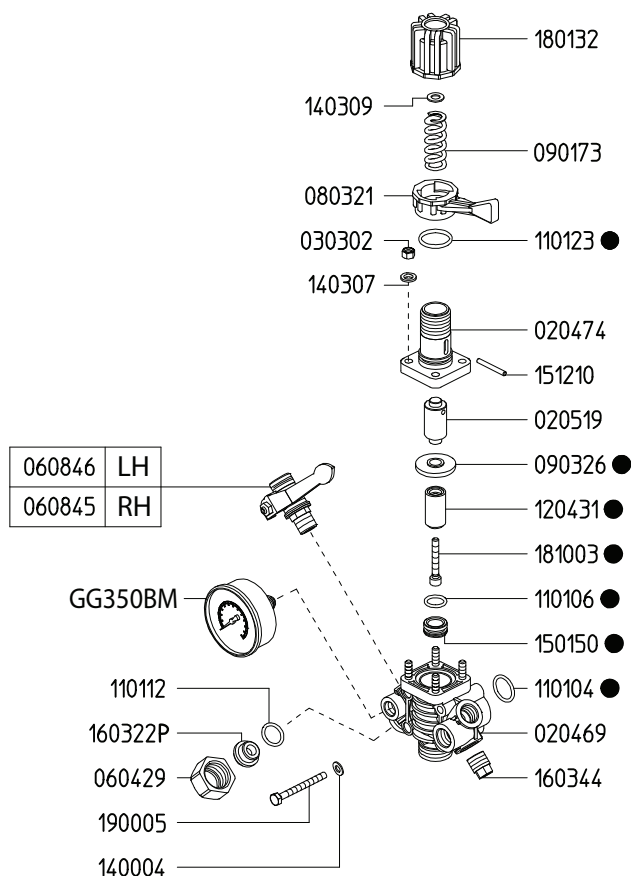


Revised 8-29-2024

| Part #  | Description        | Qty | Part #  | Description            | Qty |
|---------|--------------------|-----|---------|------------------------|-----|
| 0004.18 | GEAR SHAFT - 3/4"  | 1   | 1505.29 | GEAR CASE - PUMP       | 1   |
| 0006.08 | BEARING            | 1   | 1512.08 | ALIGNMENT PIN          | 1   |
| 0213.22 | PUMP GEAR - VA     | 1   | 1603.64 | OIL PLUG G3/8          | 1   |
| 0228.23 | GEAR CASE - ENGINE | 1   | 1603.67 | OIL PLUG G1/4          | 1   |
| 0602.05 | GASKET             | 1   | 1804.72 | HEX BOLT M8X50         | 6   |
| 0602.27 | GASKET             | 1   | 1805.01 | ALLEN BOLT M10X25      | 4   |
| 0605.09 | GASKET - ALUMINUM  | 1   | 1805.04 | ALLEN BOLT M10X20      | 3   |
| 0605.47 | GASKET - ALUMINUM  | 1   | 1807.07 | HEX BOLT 5/16 X 1"     | 4   |
| 1101.93 | O-RING             | 1   | 1807.08 | HEX BOLT 5/16 X 2-1/4" | 1   |
| 1403.05 | WASHER             | 4   | 6058.26 | VENTED OIL CAP         | 1   |

## 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            |



| 6062A9  |     |
|---------|-----|
| KIT 608 |     |
| CODE    | QTY |
| 090326  | 1   |
| 110104  | 1   |
| 110106  | 1   |
| 110112  | 1   |
| 110123  | 1   |
| 120431  | 1   |
| 150150  | 1   |
| 181003  | 1   |

Revised 8-29-2024

| Part #  | Description                            | Qty |
|---------|----------------------------------------|-----|
| 0202.25 | BYPASS HOSE BARB - STRAIGHT (OPTIONAL) | 1   |
| 0204.69 | BODY                                   | 1   |
| 0204.70 | 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 | 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   |
| 0803.21 | LEVER                                  | 1   |
| 0901.73 | SPRING (LP 300 PSI)                    | 1   |
| 0903.26 | DIAPHRAGM ●                            | 1   |
| 0904.37 | GG350BM - LOW PRESSURE GAUGE           | 1   |

| Part #   | Description                                   | Qty |
|----------|-----------------------------------------------|-----|
| 1101.04  | O-RING ●                                      | 1   |
| 1101.06  | O-RING ●                                      | 1   |
| 1101.12  | O-RING ●                                      | 2   |
| 1101.23  | O-RING ●                                      | 1   |
| 1204.31  | POPPET ●                                      | 1   |
| 1400.04  | WASHER S.S.                                   | 6   |
| 1501.50  | SEAT ●                                        | 1   |
| 1512.10  | PIN                                           | 1   |
| 1603.22P | PLUG - POLY                                   | 1   |
| 1603.44  | PLUG                                          | 1   |
| 1801.32  | ADJUSTMENT KNOB                               | 1   |
| 1810.03  | STAINLESS STEEL BOLT ●                        | 1   |
| 1900.05  | STAINLESS STEEL BOLT                          | 2   |
| 19500.00 | BYPASS HOSE BARB - STRAIGHT, SS (OPTIONAL)    | 1   |
| 6062.A9  | REPAIR KIT FOR 6010.9X CONTROL UNIT (KIT 608) |     |

● Parts Included in Repair Kit #6062.A9 (KIT 608)

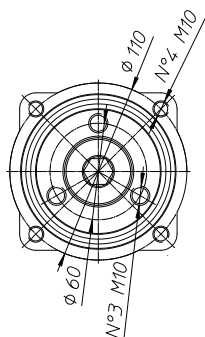
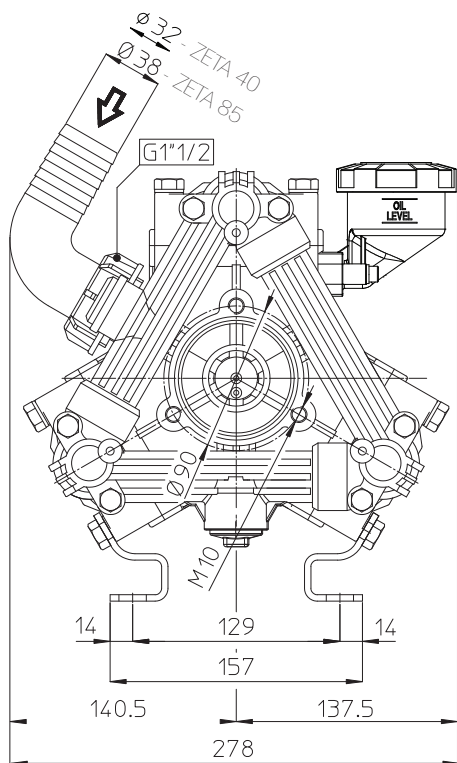
The control unit features a manual dump valve, pressure control knob, glycerine filled pressure gauge, and two ball valve discharge ports.

- 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.

# ZETA 40P/85P DIMENSIONS

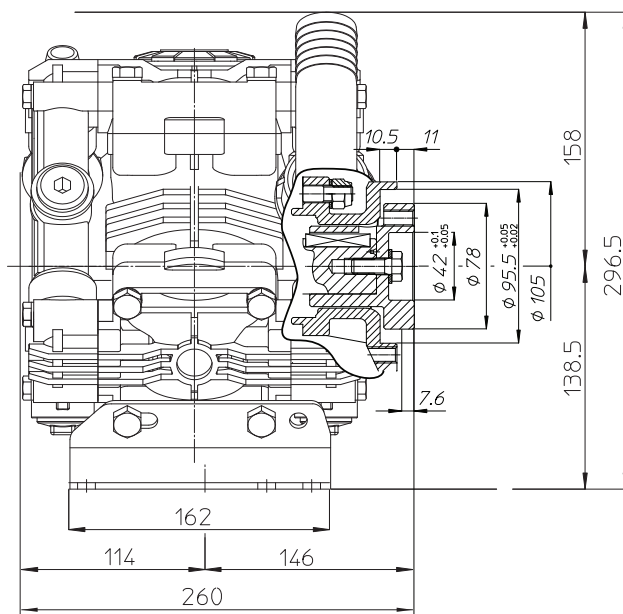
**All Dimensions are WITHOUT Control Unit or Regulator**

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



| Specifications                  | ZETA 40P                     | ZETA 85P    |
|---------------------------------|------------------------------|-------------|
| Inlet Port - Hose Barb          | 1-1/4" HB                    | 1-1/2" HB   |
| Outlet Ports - Hose Barb, Valve | (2) 1/2" HB                  | (2) 1/2" HB |
| Bypass - Hose Barb              | 3/4" HB                      | 3/4" HB     |
| Dimensions - Pump Only          | 11"L x 11"W x 12"H           |             |
| - GR Version                    | 16"L x 11"W x 12"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.



## VA Universal Drive Face Detail

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

## TORQUE SPECS

| Ref. | Description                       | Ft./lb. | Nm |
|------|-----------------------------------|---------|----|
| 1    | Diaphragm Bolts (Use Loctite 243) | 18      | 25 |
| 2    | Head Bolts                        | 12      | 16 |
| 3    | Pulsation Dampener Bolts          | 18      | 25 |
| 4    | Oil Cup Bolts                     | 6       | 8  |
| 5    | Manifold Bolts (Plastic)          | 8       | 11 |

