OMEGA 170 TS2C

Maximum Flow	46.0 GPM / 174.5 lpm
Maximum Pressure	700 PSI / 48 bar
Maximum RPM	550 RPM
Inlet Port	1-1/2"Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" FPT
Bypass	1" Hose Barb
Dimensions	16.8"L x 14.9"W x 17.2"H
Weight	120 lbs

Lubrication: Requires 84 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.

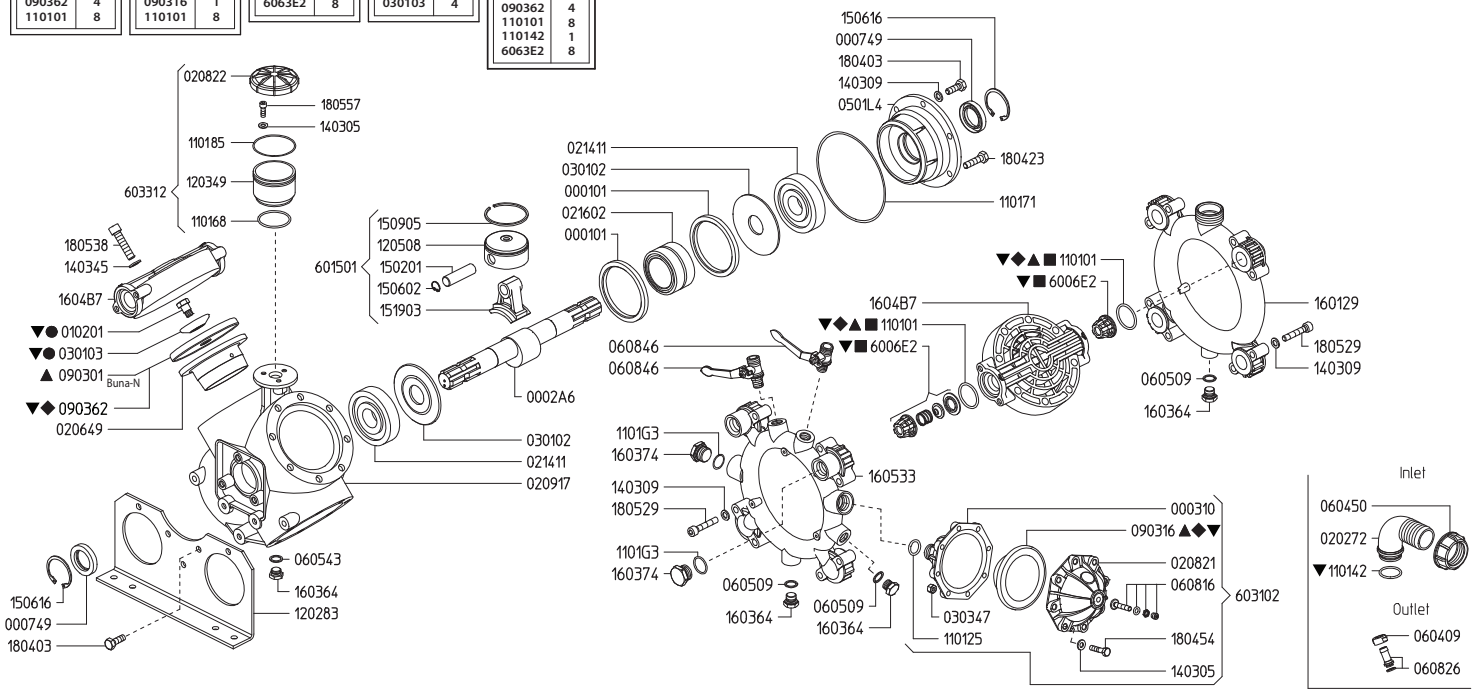
870007 KIT 628 ◆	
CODE	QTY
090316	1
090362	4
110101	8

606233 KIT 532 ▲	
CODE	QTY
090301	4
090316	1
110101	8

6062E1 KIT 643 ■	
CODE	QTY
110101	8
6063E2	8

606236 KIT 535 ●	
CODE	QTY
010201	4
030103	4

8700.07CK ▼	
CODE	QTY
010201	4
030103	4
090316	1
090362	4
110101	8
110142	1
6063E2	8



Revised 3-26-2021

Part #	Description	Qty
0001.01	RETAINER RING "BETA/OMEGA"	2
0002.A6	SHAFT "ZETA 350/OMEGA" TS 2C	1
0003.10	PRESSURE ACCUMULATOR "BETA"	1
0007.49	OIL SEAL D35	2
0102.01	DIAPHRAGM BOLT "ZETA/KAPPA 121" ●▼	4
0202.72	HOSE BARB D40	1
0206.49	SLEEVE D75 "OMEGA 170"	4
0208.21	ACCUMULATOR COVER "BETA"	1
0208.22	OIL RESERVOIR COVER "BETA"	1
0209.17	CRANKCASE "BETA 150/OMEGA 170"	1
0214.11	BALL BEARING D35	2
0216.02	ROLLER BEARING D55	1
0301.02	ROD DISC "BETA/OMEGA"	2
0301.03	DIAPHRAGM DISC "BETA/OMEGA" ●▼	4
0303.47	HEX NUT M8X8	8
0501.L4	BUSHING FLANGE "BETA/OMEGA"	1
0604.09	BRASS NUT G1/2	1
0604.50	BARB NUT G1"1/2	1
0605.09	GASKET D17	3
0605.43	GASKET D17	1
0608.16	AIR VALVE ASSY	1
0608.26	HOSE BARB D13+GASKET	1
0608.46	BALL VALVE LEFT	2
0903.01	PISTON DIAPHRAGM - BUNA-N D130 ▲	4
0903.16	ACCUMULATOR DIAPHRAGM ◆▲▼	1
0903.62	PISTON DIAPHRAGM - GREENTECH D130 ◆▼	4
1101.01	O-RING - VALVE ▲■◆▼	8
1101.25	O-RING - PULSATION DAMPENER	1
1101.42	O-RING - INLET HOSE BARB▼	1
1101.68	O-RING - OIL RESERVOIR	1
1101.71	O-RING - BUSHING FLANGE	1
1101.85	O-RING - OIL RESERVOIR	1
1101.G3	O-RING - PLUG	2
1202.83	BASE PLATE "OMEGA 170"	2

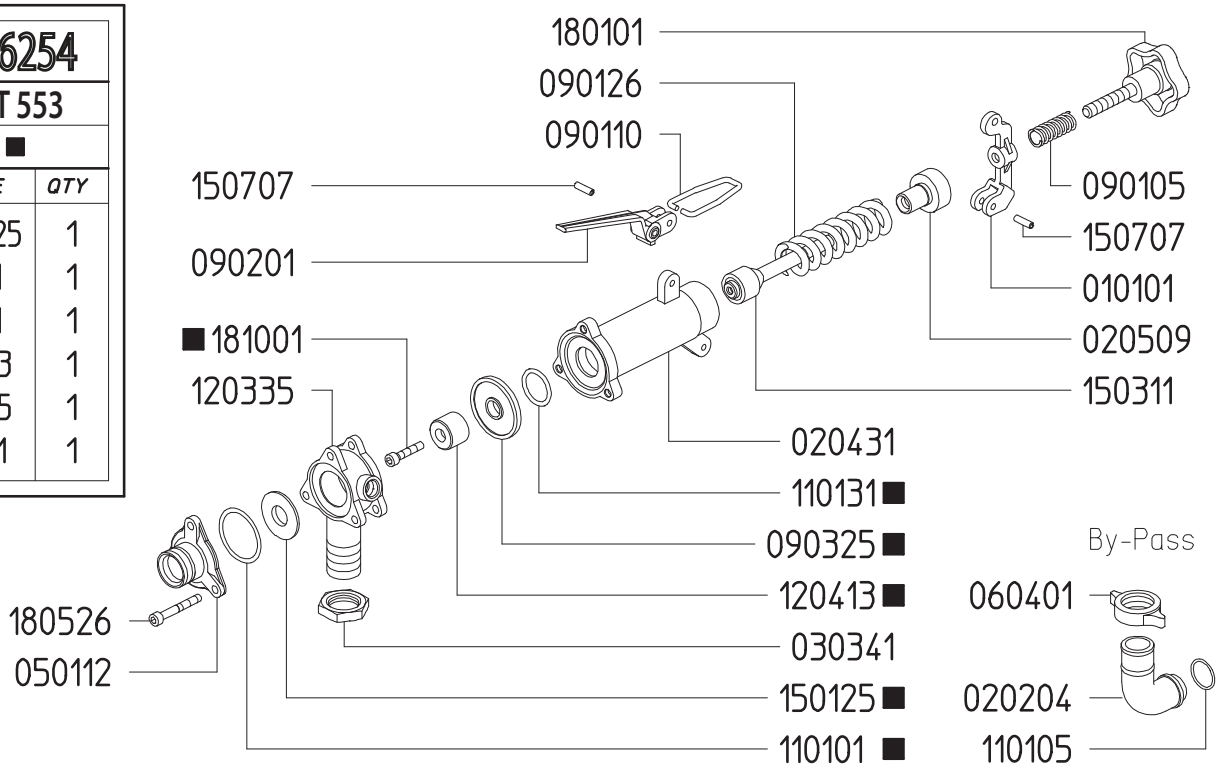
Part #	Description	Qty
1203.49	OIL RESERVOIR "BETA"	1
1205.08	ALUMINIUN PISTON D75 "BETA/OMEGA/ZETA"	4
1403.05	WASHER D8.4	11
1403.09	WASHER D10,5	19
1403.45	WASHER D13	32
1502.01	PIN D18X64	4
1506.02	SNAP RING D18	4
1506.16	SNAP RING D55	2
1509.05	PISTON RING D75	4
1519.03	CONNECTING ROD "OMEGA/BETA 110/150"	4
1601.29	SUCTION MANIFOLD "OMEGA 170"	1
1603.64	PLUG G3/8	4
1603.74	PLUG G3/4	2
1604.B7	HEAD "OMEGA 170"	4
1804.03	HEX BOLT M10X30	8
1804.23	HEX BOLT M10X40	3
1804.54	HEX BOLT M8X35	8
1805.29	ALLEN BOLT M10X55	16
1805.38	ALLEN BOLT M12X60	32
1805.57	ALLEN BOLT M8X22	3
6006.E2	VALVE ASSEMBLY W/O O-RING ■▼	8
6015.01	ROD ASSY "OMEGA/BETA" D75	4
6031.02	PRESSURE ACCUMULATOR ASSY "BETA"	1
6033.12	OIL RESERVOIR ASSEMBLY	1
6062.33	DIAPHRAGM KIT - BUNA-N (KIT 532)	1
6062.36	DIAPHRAGM BOLT/WASHER KIT (KIT 535)	1
6062.E1	IN/OUTLET VALVE KIT "BETA 150" (KIT 643)	1
8700.07	DIAPHRAGM KIT - GREENTECH (KIT 628)	1
8700.07CK	COMPLETE REPAIR KIT	1

▲ Parts in 6062.33 (Kit 532)
● Parts in 6062.36 (Kit 535)
■ Parts in 6062.E1 (Kit 643)
◆ Parts in 8700.07 (Kit 628)
▼ Parts in 8700.07CK (Complete Repair Kit)

6005.15 CONTROL UNIT

Maximum Flow	47.3 GPM / 179.2 lpm
Maximum Pressure	1200 PSI / 81 bar
Inlet Port	3/4" Male BSP
Outlet Ports	-
Bypass - Hose Barb	1" HB

606254	
KIT 553	
■	
CODE	QTY
090325	1
110101	1
110131	1
120413	1
150125	1
181001	1



Revised 3-23-2021

Part #	Description	Qty
0101.01	LEVER GUIDE	1
0202.04	1" BRASS ELBOW HOSE BARB	1
0204.31	VALVE BODY	1
0205.09	VALVE CYLINDER	1
0303.41	NUT	1
0501.12	FLANGE	1
0604.01	BARB NUT	1
0901.05	SPRING	1
0901.10	PRESSURE BAIL	1
0901.26	SPRING	1
0902.01	HANDLE	1
0903.25 ■	DIAPHRAGM	1
1101.01 ■	O-RING	1
1101.05	O-RING	1

Part #	Description	Qty
1101.31 ■	O-RING	1
1203.35	INLET ELBOW - 3/4" MALE BSP	1
1204.13	POPPET ■	1
1501.25	SEAT ■	1
1503.11	REGULATOR STEM	1
1507.07	PIN	2
1801.01	ADJUSTMENT KNOB	1
1805.26	BOLT	3
1810.01	STAINLESS STEEL BOLT ■	1
GG1500	HIGH PRESSURE GAUGE (OPTIONAL)	1
6062.54	REPAIR KIT (KIT 553)	

■ Parts Included in Repair Kit #6062.54 (KIT 553)

OPERATING INSTRUCTIONS

1. Before operating or re-operating pump, lift R.V. Handle (0902.01) so pump will start at zero pressure. **FAILURE TO DO SO WILL VOID PUMP WARRANTY**.
2. Turn Pressure Adjustment Knob (1801.01) counter-clockwise to relieve spring tension. (Step 2 is only necessary on initial start-up and is not necessary for daily operation.)
3. Start unit and let run until air is evacuated from system, when only liquid is expelled from the bypass line.
4. Return R.V. Handle (0902.01) to down position. Open spray gun or spray boom and turn adjustment knob (1801.01) clockwise until desired operating pressure is achieved.

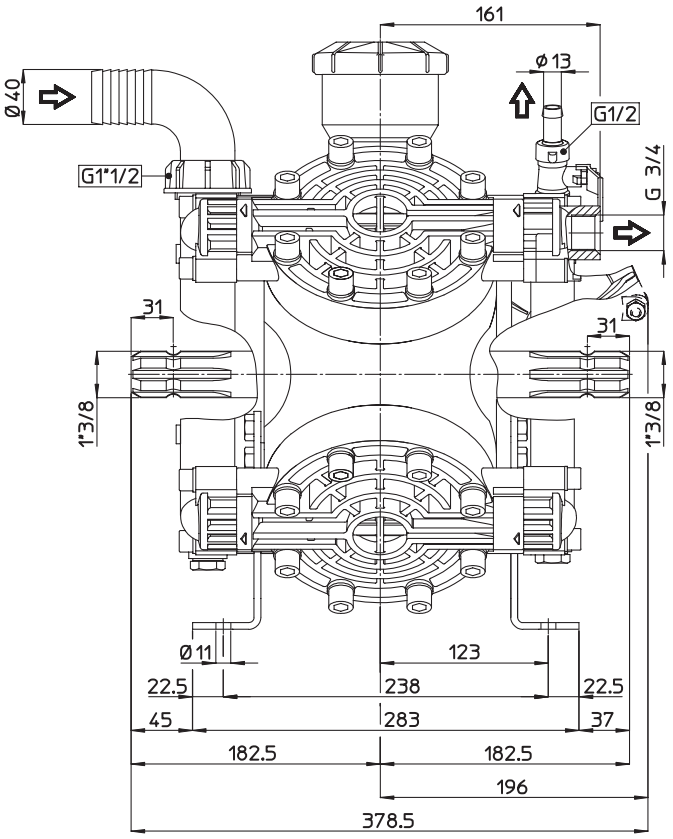
OMEGA 170 DIMENSIONS

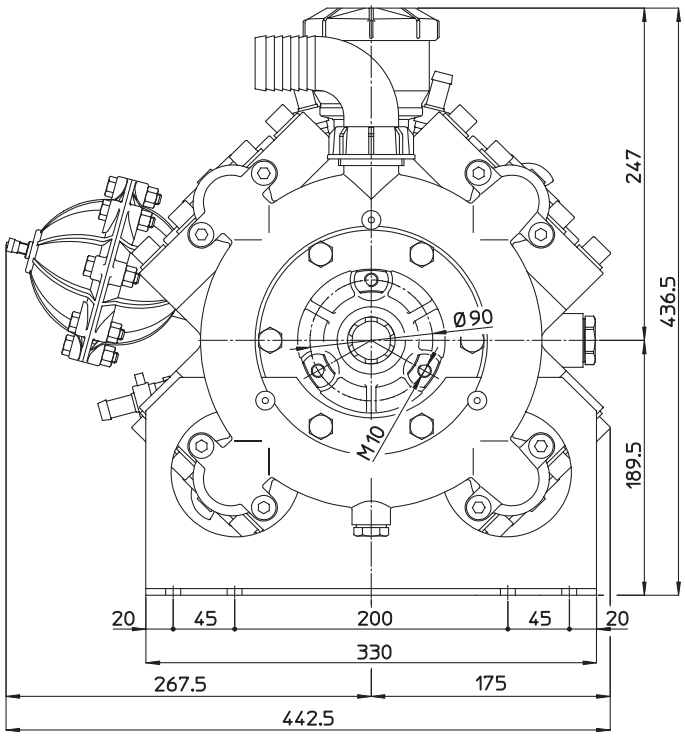
All Dimensions are WITHOUT Control Unit or Regulator

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

Specifications	OMEGA 170
Inlet Port - Hose Barb	1-1/2" HB
Outlet Ports - Hose Barb	(2) 3/4" HB
Bypass - Hose Barb	1" HB
Dimensions	16.8"L x 14.9"W x 17.2"H
Diaphragm Material	GREENTECH (Std) Buna-N (Opt)

Lubrication: Requires 91 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)	22	30
2	**Head Bolts**	37	50
3	**Pulsation Dampener Bolts**	20	28
4	**Bearing Flange Bolts**	25	34
5	**Oil Cup Bolts**	7	10
6	**Manifold Bolts - Aluminum/Brass**	22	30

