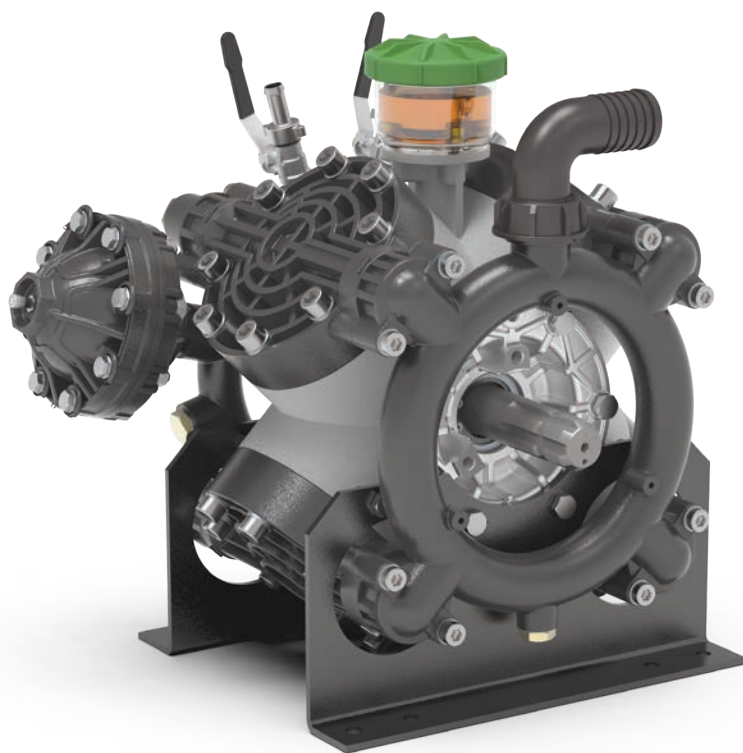


4-Cylinder, High-Pressure Diaphragm Pumps



OMEGA 195 4-cylinder, high pressure, high volume diaphragm pumps are constructed of anodized aluminum, brass and stainless steel and have anodized aluminum, brass and stainless steel liquid handling parts. Includes mounting rails and 6005.08 control unit with pressure gauge. Simplicity of design and common parts allow for easy and economical maintenance.

OMEGA 195 pumps are excellent choices for various horticultural and agricultural spraying applications.

Pumps are available with a 1-3/8" Male PTO thru-shaft.

Model	GPM	l/min	PSI	bar	RPM	Drive Configuration	Weight
OMEGA 195 TS2C	51.0	193.0	725	50	550	1-3/8" 6-Spline Male PTO Thru-Shaft	120 LBS

Specifications	OMEGA 195	Description	Part #
Inlet Port	2" Hose Barb	Diaphragm Kit (GREENTECH)	8700.07
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" FPT	Diaphragm Bolt / Washer Kit	6640.03
Bypass	1" Hose Barb	Valve Kit	6062.E1
Piston Diameter	75mm		
Crankshaft Stroke/Code	19.0mm / U		
Dimensions	17.4"L x 15.5"W x 17.2"H		

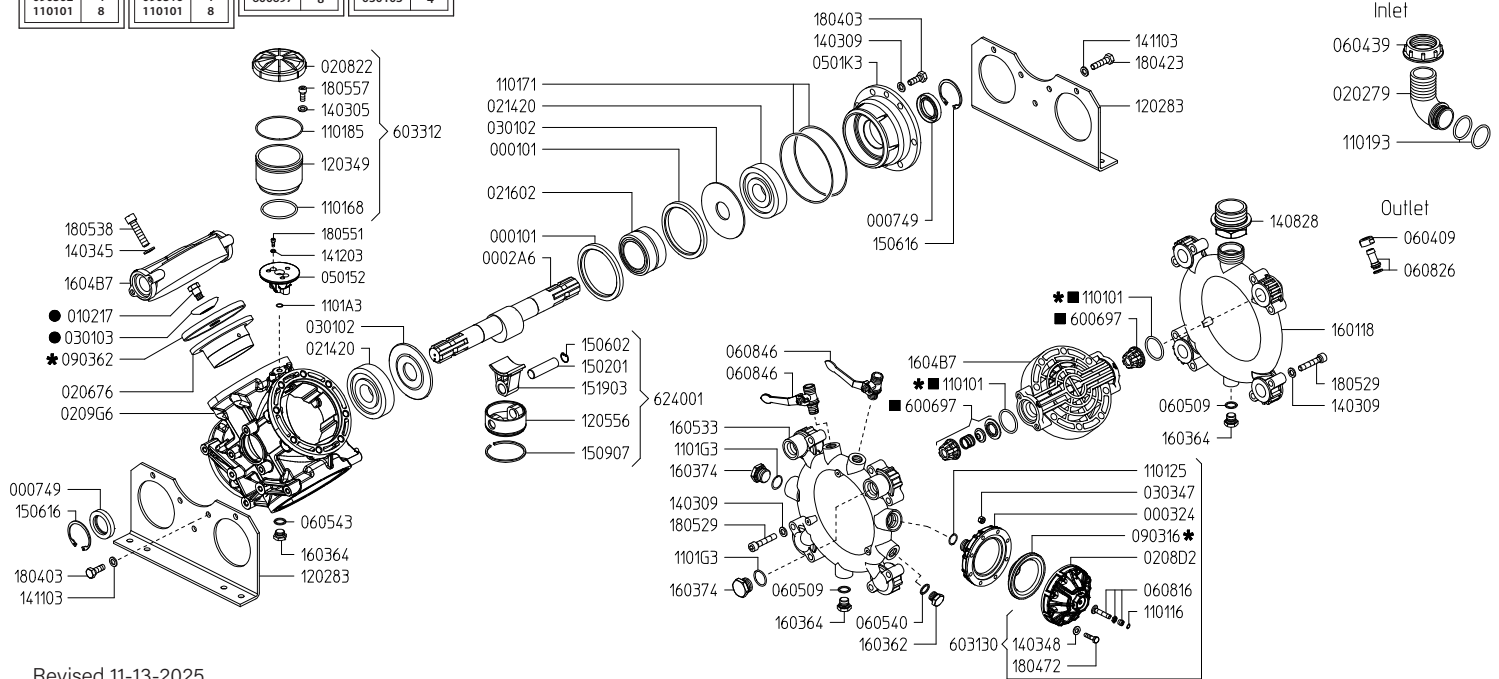
Lubrication: Requires 91 oz. of Udor Lube 40W Premium Pump Oil.
Alternate Oil: 30W non-detergent or 15W-40 non-detergent oil.



Maximum Flow	51.0 GPM /193.0 lpm
Maximum Pressure	725 PSI / 50 bar
Maximum RPM	550 RPM
Inlet Port	2" Hose Barb
Outlet Ports	(2) 1/2" Hose Barb Valve, 3/4" FPT
Bypass	1" Hose Barb
Dimensions	17.4"L x 15.5"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		606233 KIT 532		6062E1 KIT 643		664003 KIT 576	
CODE	QTY	CODE	QTY	CODE	QTY	CODE	QTY
090316	1	090301	4	110101	8	010217	4
090362	4	090316	1	600697	8	030103	4
110101	8	110101	8				



Revised 11-13-2025

Part #	Description	Qty
0001.01	RETAINER RING "BETA/OMEGA"	2
0002.A6	SHAFT "ZETA 350/OMEGA" TS 2C	1
0003.24	PRESSURE ACCUMULATOR	1
0007.49	OIL SEAL D35	2
0102.17	DIAPHRAGM BOLT ●	4
0202.79	HOSE BARB ELBOW - INLET D50	1
0206.76	SLEEVE	4
0208.22	OIL RESERVOIR COVER	1
0208.D2	ACCUMULATOR COVER	1
0209.G6	CRANKCASE "BETA /OMEGA"	1
0214.20	BEARING	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
0501.52	OIL CUP SUPPORT FLANGE "BETA / OMEGA"	1
0501.K3	BEARING FLANGE	1
0604.09	HEX NUT M8X8	2
0604.39	NUT - INLET	1
0605.09	GASKET D17	2
0605.40	GASKET D21.5	1
0605.43	GASKET D17	1
0608.16	AIR VALVE ASSY	1
0608.26	HOSE BARB D13+GASKET	2
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
1101.16	O-RING - AIRVALVE	1
1101.25	O-RING - PULSATION DAMPENER	1
1101.68	O-RING - OIL RESERVOIR	1
1101.71	O-RING - BEARING FLANGE	2
1101.85	O-RING - OIL RESERVOIR	1
1101.93	O-RING - INLET	2
1101.A3	O-RING - OIL CUP SUPPORT FLANGE	1
1101.G3	O-RING	2
1202.83	BASE PLATE "OMEGA 170"	2
1203.49	OIL RESERVOIR	1

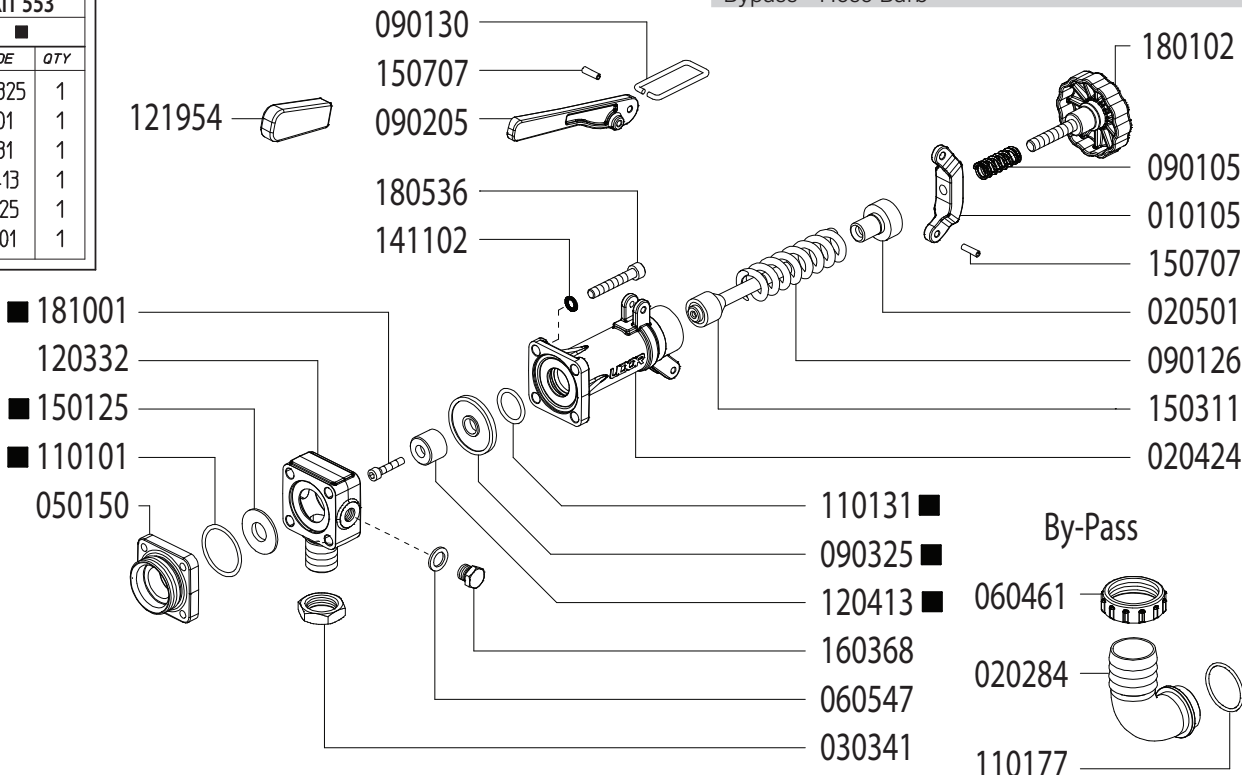
Part #	Description	Qty
1205.56	PISTON	4
1403.05	WASHER D8.4	3
1403.09	WASHER D10.5	20
1403.45	WASHER D13	32
1403.48	WASHER D8.4	8
1408.28	INLET ADAPTER	1
1411.03	WASHER	10
1412.03	BONDED WASHER D6.7	2
1502.01	PIN D18X64	4
1506.02	SNAP RING D18	4
1506.16	SNAP RING D55	2
1509.07	PISTON RING	4
1519.03	CONNECTING ROD	4
1601.18	MANIFOLD - SUCTION	1
1603.62	PLUG G1/2	1
1603.64	PLUG G3/8	3
1603.74	PLUG G3/4	2
1604.B7	HEAD "OMEGA 170/195"	4
1605.33	MANIFOLD - DISCHARGE	1
1804.03	HEX BOLT M10X30	9
1804.23	HEX BOLT M10X40	5
1804.72	HEX BOLT M8X50	8
1805.29	ALLEN BOLT M10X55	16
1805.38	ALLEN BOLT M12X60	32
1805.51	ALLEN BOLT M6X40	2
1805.57	ALLEN BOLT M8X22	3
6006.97	VALVE ASSEMBLY W/O O-RING ■	8
6031.30	PRESSURE ACCUMULATOR ASSEMBLY	1
6033.12	OIL RESERVOIR - COMPLETE	1
6240.01	OIL RESERVOIR ASSEMBLY	4
6062.33	DIAPHRAGM KIT - BUNA-N (KIT 532)	1
6062.E1	IN/OUTLET VALVE KIT "BETA 150" (KIT 643)	1
6640.03	DIAPHRAGM BOLT/WASHER KIT (KIT 576)	1
8700.07	DIAPHRAGM KIT - GREENTECH (KIT 628)	1

- ▲ Parts in 6062.33 (Kit 532)
- Parts in 6062.E1 (Kit 643)
- Parts in 6640.03 (Kit 576)
- ◆ Parts in 8700.07 (Kit 628)

Adjustable Pressure Regulator

Maximum Flow	66.0 GPM / 250 lpm
Maximum Pressure	1200 PSI / 81 bar
Inlet Port	3/4" Male BSP
Outlet Ports	-
Bypass - Hose Barb	1-1/2" HB

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



Revised 7-15-2024

Part #	Description	Qty
0101.05	LEVER GUIDE	1
0202.84	1" BRASS ELBOW HOSE BARB	1
0204.24	VALVE BODY	1
0205.01	VALVE CYLINDER	1
0303.41	NUT	1
0501.50	FLANGE	1
0604.61	BARB NUT	1
0605.47	GASKET D8	1
0901.05	SPRING	1
0901.30	PRESSURE BAIL	1
0901.26	SPRING	1
0902.05	HANDLE	1
0903.25 ■	DIAPHRAGM	1
1101.01 ■	O-RING - BYPASS FLANGE	1
1101.31 ■	O-RING - VALVE BODY	1

Part #	Description	Qty
1101.77	O-RING - BYPASS HOSE BARB	1
1203.32	INLET ELBOW - 3/4" MALE BSP	1
1204.13	POPPET ■	1
1219.54	HANDLE COVER - RUBBER	1
1501.25	SEAT ■	1
1503.11	REGULATOR STEM	1
1507.07	PIN	2
1603.68	PLUG - 1/4" BRASS	1
1801.02	ADJUSTMENT KNOB	1
1805.36	BOLT	4
1810.01	BOLT - STAINLESS STEEL ■	1
GG1500	HIGH PRESSURE GAUGE (OPTIONAL)	1
6062.54	REPAIR KIT (KIT 553)	

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

OPERATING INSTRUCTIONS

- Before operating or re-operating pump, lift R.V. Handle (0902.05) so pump will start at zero pressure.
FAILURE TO DO SO WILL VOID PUMP WARRANTY.
- Turn Pressure Adjustment Knob (1801.02) counter-clockwise to relieve spring tension. (Step 2 is only necessary on initial start-up and is not necessary for daily operation.)
- Start unit and let run until air is evacuated from system, when only liquid is expelled from the bypass line.
- Return R.V. Handle (0902.05) to down position. Open spray gun or spray boom and turn adjustment knob (1801.02) clockwise until desired operating pressure is achieved.

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

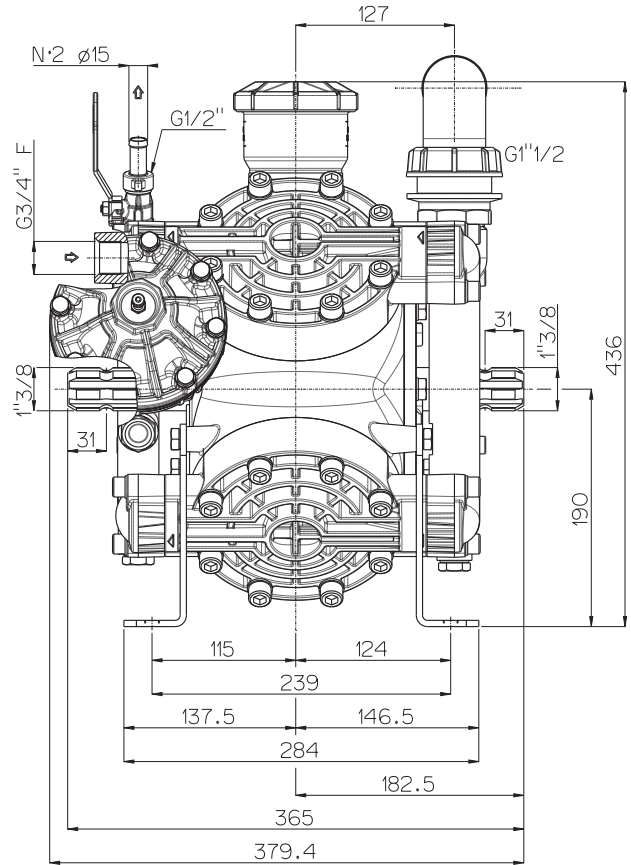
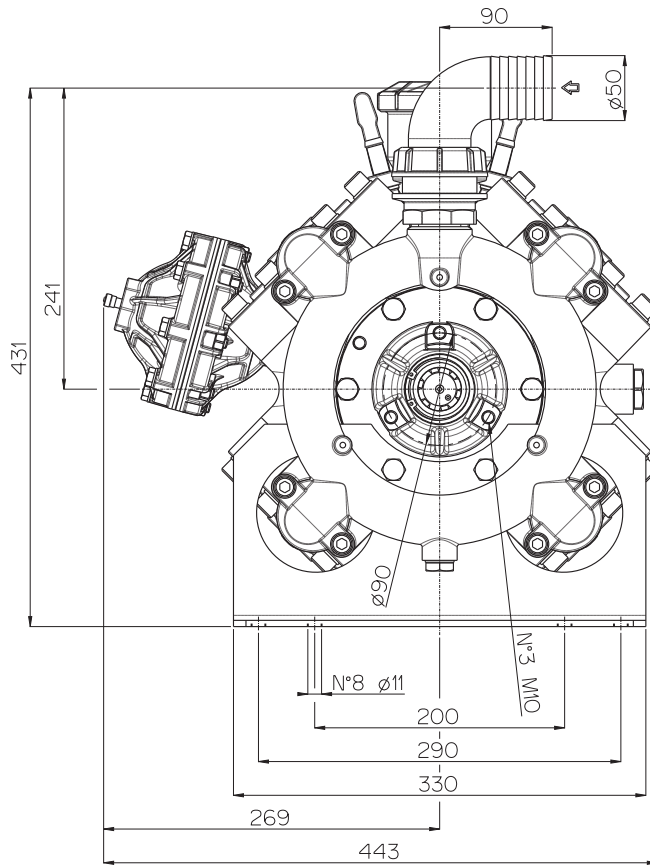
**Dimensional Drawings are
Shown in Millimeters.
To Convert to Inches,
Multiply Dimension x 0.03937**

Specifications

OMEGA 195

Inlet Port - Hose Barb	2" HB
Outlet Ports - Hose Barb	(2) 3/4" HB
Bypass - Hose Barb	1" HB
Dimensions	17.4"L x 15.5"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

