

Technical drawing of the 4 PLC valve assembly, showing front and side views with dimensions in inches and millimeters.

Top View Dimensions:

- Overall width: 12.83 [326]
- Overall height: 15.38 [394]
- Top left corner: 0.87 [22]
- Top left side: 1.1 [28]
- Top left side (lower): 2.24 [57]
- Top left side (lower): 1/2"
- Top left side (lower): 2.36 [60]
- Top center: 10mm
- Top center: 4.92 [125]
- Top center: 0.9
- Top right: 1.38 [35]
- Top right: 3.03 [77]
- Top right: 0.79 [20]
- Bottom center: 9.45 [240]
- Bottom center: 4.92 [125]
- Bottom center: 1.65 [42]
- Bottom center: 3.54 [90]
- Bottom center: 2.64 [67]

Front View Dimensions:

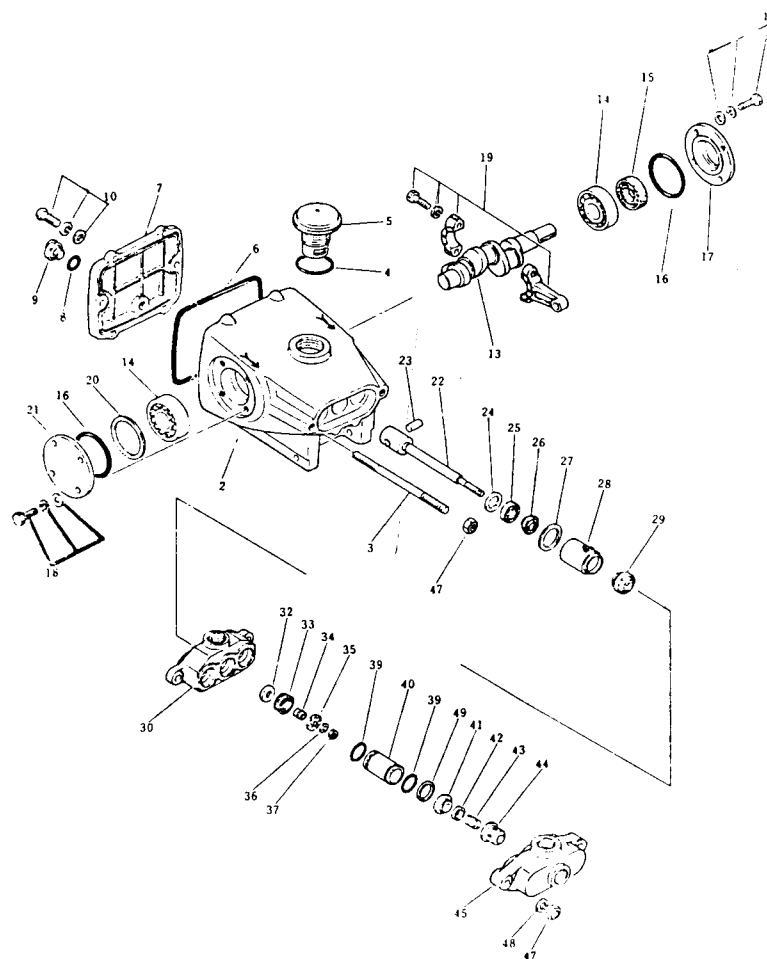
- Overall width: 5.12 [130]
- Overall height: 5.37 [136]
- Top left: 1.14 [29]
- Top left: 1.14 [29]
- Top center: 1/2"
- Top right: 1/4"
- Top right: 1.30 [33]
- Top right: 0.20 [5]
- Top right: 6.81 [173]
- Top right: 2.64 [66]
- Top right: 0.65 [16.5]
- Top right: 4.48 [112]
- Top right: 1.84 [46]
- Top right: 2.13 [54]
- Top right: 3.15 [80]
- Top right: 5.12 [130]
- Top right: 4.39 [111.5]
- Top right: 7.30 [185]
- Top right: 2.95 [75]

Volume	4 GPM
Discharge Pressure	1200 PSI
Max. Inlet Pressure	40 PSI
RPM	1050 RRM
Bore	0.708"
Stroke	0.768"
Crankcase Capacity	.21 oz.
Maximum Fluid Temperature	160° F
Inlet Ports Size	1/2-14 NPT
Discharge Ports Size	(1) 1/2-14 NPT (1) 3/8-18 NPT
Shaft Diameter	0.650"
Weight	17.6 lbs.
Dimensions	12.8"x7.3"x5.4"

- Unpainted crankcase
- Single-extended crankshaft
- Unchromed cylinder
- Solid piston rod
- One-piece piston assembly
- Unchromed brass manifolds
- Single inlet porting

HORSEPOWER REQUIREMENTS					Pulley Selection Using 8.0" Pump Pulley	
Flow		PRESSURE			RPM	Motor Pulley O.D.
		800 PSI	1000 PSI	1200 PSI		
GPM	L/M	55 BAR	68 BAR	83 BAR		
4	15	2.2	2.8	3.3	1050	4.9
3	11	1.7	2.1	2.5	788	3.7
2	8	1.1	1.4	1.7	525	2.4

Pump Model 38



PARTS LIST MODEL 38

ITEM	PART # DESCRIPTION	QTY.	ITEM	PART # DESCRIPTION	QTY.
2	43431 Crankcase	1	29	30315 Prrrrrm-A-Lube Seal	3
3	85675 Stud (M8x85)	2	30	43440 Inlet Manifold	1
4	14177 O-ring, Filler Cap	1	32	28339 Inlet Valve	3
5	43211 Oil Filler Cap	1	33	43446 Piston Assembly	3
6	43432 Cover Seal, O-section	1	34	27983 Piston Spacer	3
7	43433 Crankcase Cover	1	35	27002 Piston Retainer	3
8	23170 O-ring, Drain Plug	1	36	27006 Conical Washer (M6)	3
9	29659 Drain Plug	1	37	18956 Hex Nut, SS (M6)	6
10	19200 Screw (Sems) (M6x20)	6	39	23172 O-ring, Cylinder	6
13	43435 Crankshaft	1	40	29013 Cylinder, Unchromed	3
14	14487 Bearing	2	41	29487 Discharge Valve Seat	3
15	24159 Oil Seal	2	42	22842 Discharge Valve	3
16	26536 O-ring, Oil Seal Case	2	43	22031 Valve Spring	3
17	27950 Oil Seal Case	1	44	22841 Valve Spring Retainer	3
18	82097 Bolt (Sems)(M6x14)	8	45	43443 Discharge Manifold	1
19	24139 Connecting Rod	3	47	81109 Nut (M8)	4
20	43437 Washer, Bearing Shim	1	48	15845 Lockwasher (M8)	2
21	43436 Cover, Shaft End	1	49	43447 Back-Up Ring	3
22	43438 Piston Rod	3		30048 Pulley 8" AB w/2	
23	16948 Piston Pin	3		Set Screws	30244 1
24	20017 Seal Washer	3		Key (5mm)	30047 1
25	25461 Oil Seal	3		Angle Rail	28499 2
26	26853 Barrier Slinger	3		Hex Cap Screw US3/8	30900 2
27	26854 Washer	3		Hex Nut US3/8	30910 2
28	27710 Seal Retainer	3		Split Lockwasher US3/8	30920 2