CW Series 77

36 mm bore - Sixplex Plunger Pump

FEATURES I

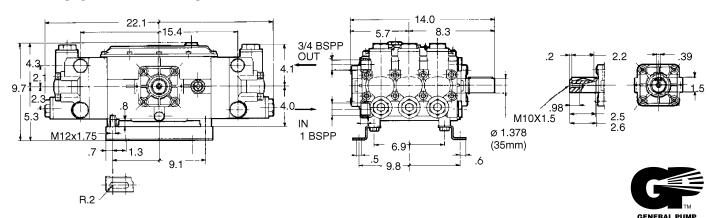
- Most widely-used pump frame in the touchless carwash industry
- Forged brass manifold with exclusive lifetime warranty
- High flow applications
- Dual manifolds utilizing a common crankcase for efficient performance
- Solid ceramic plungers with continuously lubricated packings
- Unitized stainless steel inlet and discharge valves
- Bronze connecting rods for maximum life

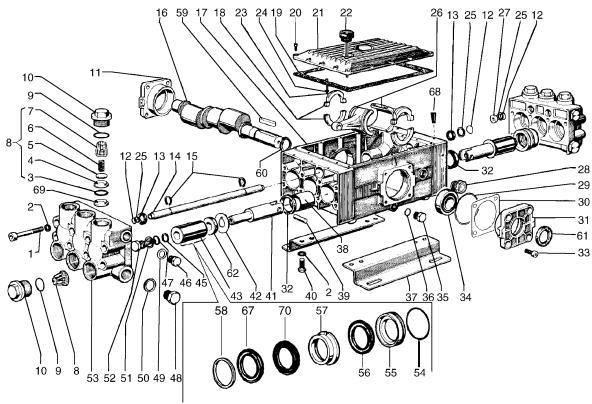


SPECIFICATIONS I

Pump Model	CW1541
Maximum Volume	41.0 GPM
Maximum Discharge Pressure	1200 PSI
Maximum Pump Speed	1000 RPM
Maximum Inlet Vacuum	9 ft. water (7.9 in. Hg)
Bore	1.417 in. / 36 mm
Stroke	1.102 in. / 28 mm
Crankcase Oil Capacity	2 quarts
Maximum Fluid Temperature	165°F
Inlet Port Thread	1-11 NPT-F
Discharge Port Thread	3/4-14 NPT-F
Shaft Diameter.	1.378 in. / 35 mm
Weight	156 lbs.
Dimensions	22.1 x 14.0 x 9.7 in.

DIMENSIONAL DRAWING





PARTS LIST

ITEM	PART NO.	DESCRIPTION	KIT NO.	QTY.
1	99.4418.00	Screw, M12 x 90		16
2	96.7195.00	Washer, M12		20
3	90.4059.00	O-Ring, 1.296 x .139	943	12
4	36.2011.66	Seat, Valve	943	12
5	36.2010.76	Valve	943	12
6	94.7450.00	Spring	943	12
7	36.2009.51	Guide, Valve	943	12
8	36.7065.01	Unit, Valve	943	12
9	90.4065.00	O-Ring, 1.484 x .139		12
10	98.2420.00	Cap, M42		12
11	76.1501.22	Cover		1
12	90.3835.00	O-Ring, .594 x .103		4
13	90.1614.00	Seal, Oil		4
14	77.2122.93	Tube, Head Conn.		1
15	90.0605.00	Cir-Clip		2
16	76.0210.35	Crankshaft		1
17	77.0100.22	Crankcase		1
18	77.2120.01	Ring, Clamp, Connecting	g Rod	6
19	77.2118.84	Gasket	_	1
20	99.1867.00	Screw, M6 x18		16
21	77.2114.22	Cover		1

ITEM	1 PART NO.	DESCRIPTION	KIT NO.	QTY
22	98.2273.00	Oil Dip Stick		1
23	99.1927.00	Screw, M6 x 35		12
24	96.6938.00	Washer, M6.4		12
25_	90.5091.00	Ring, Back-up		4_
26	77.0302.41	Rod, Connecting		3
27	77.2203.70	Сар		2
28	97.5968.00	Oil Indicator		1
29_	90.4141.00	O-Ring, 3.359 x .139		2_
30	76.2200.78	Shim		2
31	76.1500.22	Housing, Bearing		1
32	90.1670.00	Seal, Oil	44	6
33	200052	Screw, M10 x 20		8
34	91.8474.00	Bearing		4
35	98.2100.00	Cap		1
36	90.3833.00	O-Ring, .549 x .103		1
37	76.2000.74	Rail, Pump		2
38	90.9174.00	Bushing		6
39	97.7400.00	Pin, Plunger		6
40	99.4266.00	Screw, M12 x 25		4
41	77.0500.54	Guide, Plunger		6
42	96.7568.00	Washer, M22.3		6
43	69.0400.09	Plunger, (36 mm)		6

TEM	PART NO.	DESCRIPTION	KIT NO.	QTY
45	90.5107.00	Ring, Back-up	74	6
46	98.2265.00	Cap		3
47	90.3841.00	O-Ring, .674 x .103	74	6
48	98.2325.00	Сар		2
49	96.7700.00	Washer, M26.5		3
50	96.7870.00	Washer, M33.5		2
51	96.7555.00	Washer, M22	74	6
5 <u>2</u>	69.2195.66	Bolt, Plunger	74	6
53	77.1251.41	Manifold, NPT		2
54	90.3903.00	O-Ring, .924 x .103	39,40	6
55	76.0801.70	Retainer, Packing	39,40	6
56	90.2823.00	Packing, Low Pressure	939	6
57	69.2170.70	Ring, Intermediate	939,942	6
58	69.1002.93	Ring, Head	939,41	6
59	91.4978.00	Key		1
6 <u>0</u>	90.0695.00	Cir-Clip		1_
61	90.1672.00	Seal, Oil	32	1
62	76.2114.70	Spacer, Plunger		6
67	90.2820.00	Packing, High Pressure	939	6
<u>68</u>	600600	Plug, Tapered		6
69	96.7570.00	Back-up Ring Valve Sea	t 943	12
70	90.2818.00	Restop Ring	939	6

KEPAIK K	115									
KIT NO.	32	41	44	74	939	940	942	943	100463	100564
ITEM NO.s INCLUDED IN KIT	61	58	32	45, 47, 51, 52	54, 55, 56 57, 58, 67, 70	54, 55	57	3, 4, 5, 6, 7, (8), 69	54, 55, 56, 57, 58, 67, 70	54, 56, 67 70
NUMBER OF ASSEMBLIES IN KIT	2	6	3	3	1	3	3	6	6	6
NUMBER OF CYLINDERS KIT WILL SERVICE	-	3	3	3	1	3	3	3	6	6

TORQUE SPECS*

Position	Ft./lbs.			
1	51.5			
10	95.8			
20	7.3			
23	8.8			
28	13.2			
33	29.4			
40	51.5			
46	51.5			
48	73.7			
52	29.4			

^{*}Decrease torque by 20% if threads are lubricated.