



CAPTURE® PUMP MODELS CRR-1

for

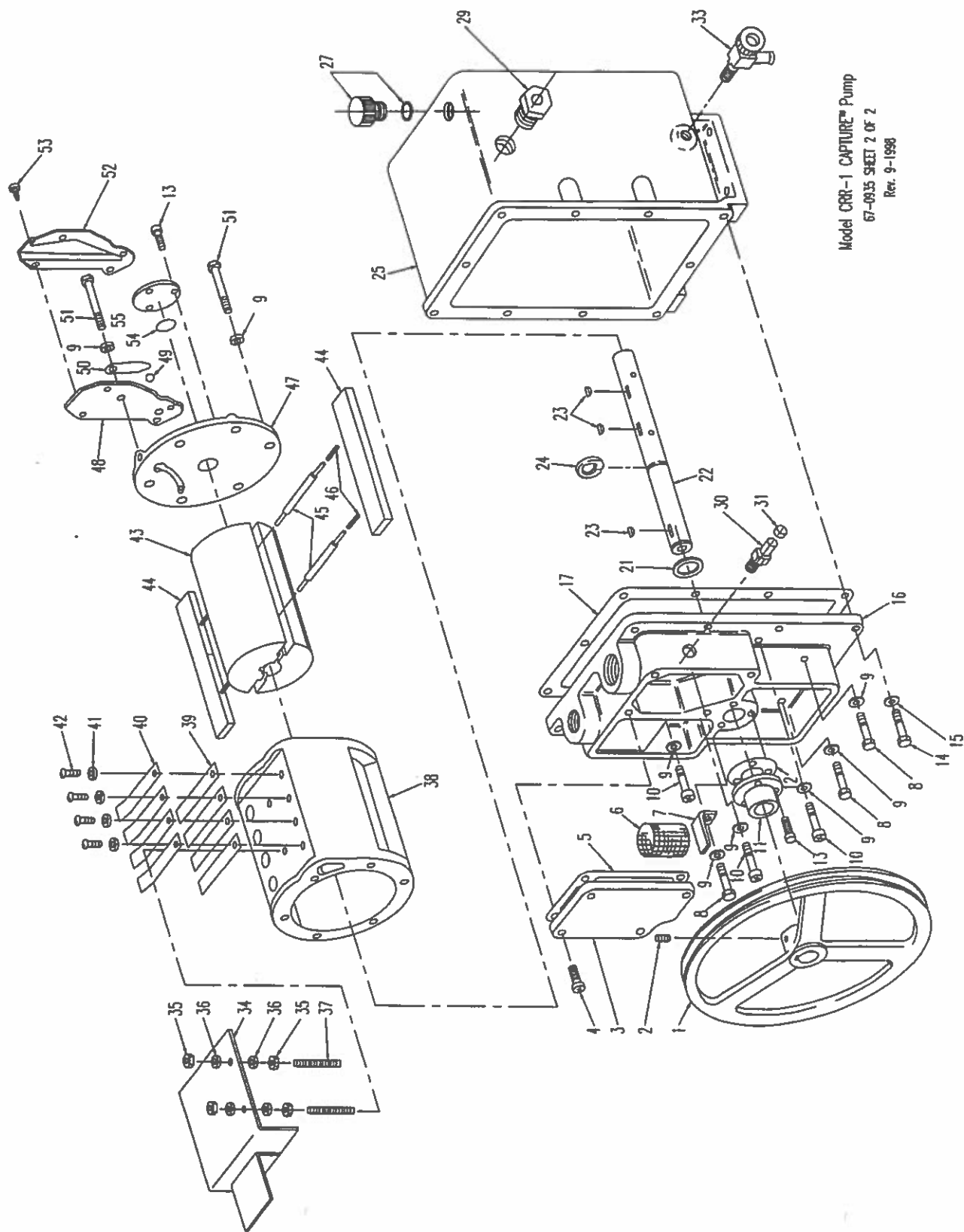
Total Refrigerant Recovery and Recycling Systems

Contents: Installation
 Operation
 Maintenance
 Parts List
 Accessories
 Warranty



WARNING

Do not operate CAPTURE pump model numbers CRR-1A, -1B at discharge pressures above 30 PSIG.



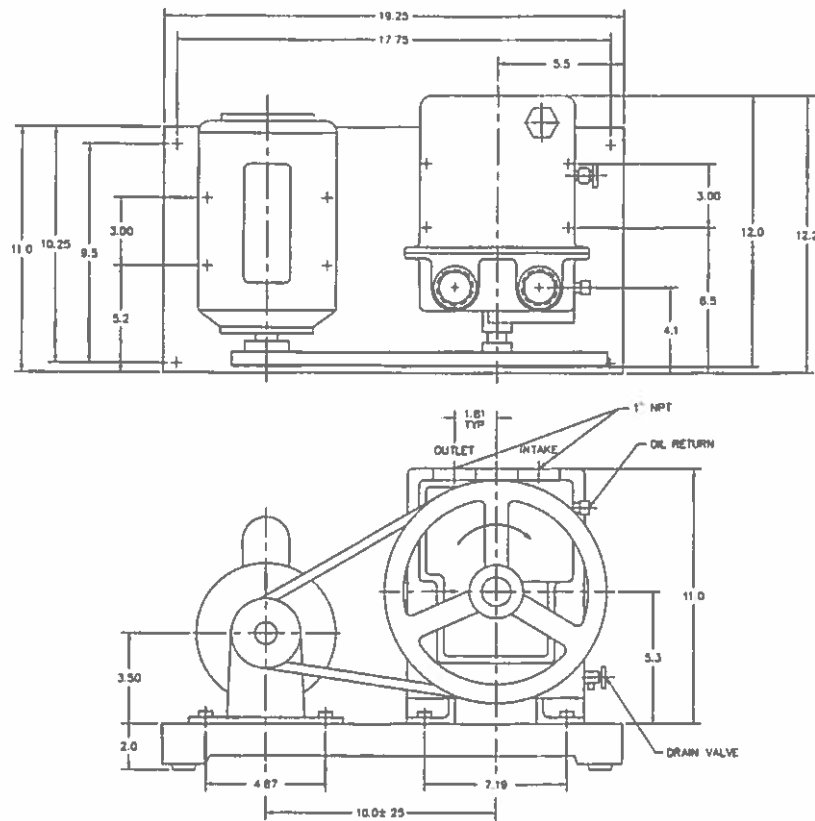
Model CRR-1 CAPTURE™ Pump
67-0935 SHEET 2 OF 2
Rev. 9-1998

PARTS LIST
MODEL CRR-1 CAPTURE™ PUMP

<u>ITEM</u>	<u>QTY</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1	41-2074	Pulley include Item 2
2	1	2-01-9306	Socket Head Set Screw 5/16-18x3/8
3	1	61-8671	Intake Cover Chamber
4	4	2-01-6112	Socket Head Screw 1/4-20x3/4
5	1	41-0234	Intake Cover Gasket
6	1	41-1692	Air Filter
7	1	41-0663	Air Filter Bracket
8	3	2-01-0316	Hex Head Screw 5/16-18x1
9	6	61-8456A	Washer, Copper 5/16
10	13	2-01-6316	Socket Head Screw 5/16-18x1
11	1	14010	Shaft Seal
12	1	41-0643	Seal Gasket
13	6	2-00-2706	Fl Head Screw 10-32x3/8
14	10	2-01-0114	Hex Head Screw 1/4-20x7/8
15	10	2-63-0356	Split Lock Washer 5/16
16	1	61-8416D	Large End Plate
17	1	41-0403	Oil Case Gasket
21	1	41-0508	Thrust Washer
22	1	41-1762	Shaft
23	3	41-0624	Woodruff Key
24	1	4-06-0754	Retaining Ring
25	1	61-8417D	Oil Case include Items 27, 29 & 33
27	1	41-3035	Oil Filler Plug
29	2	61-8482	Oil Sight
30	1	61-8481	Connector 1/4 NTP x 1/4 Flare
31	1	61-8423	Copper Seal Cap
33	1	726130	Drain Valve
34	1	61-8499B	Baffle Plate
35	4	2-31-0112	Hex Nut 1/4-20
36	4	2-61-3100	Steel Washer 1/4
37	2	2-01-8132	Set Screw 1/4-20x2
38	1	41-1760	Ring
39	4	41-1768	Lower Exhaust Valve
40	4	41-1779	Upper Exhaust Valve
41	4	2-61-0000	Steel Washer 3/16
42	4	2-01-5106	Round Head Screw 1/4-20x3/8
43	1	41-1761	Rotor
44	2	41-1684	Vane
45	2	41-1685	Vane Spring Holder
46	4	41-1304	Vane Spring
47	1	41-2045	Small End Plate
48	1	41-1005	Pressure Release Tube No.2
49	1	4-40-1200	Steel Ball 3/8
50	1	41-0992	Pressure Release Valve
51	6	2-01-0320	Hex Head Screw 5/16-18x1-1/4
52	1	41-0986	Pressure Release Tube No.1
53	3	62-0259	Self Tapping Screw #6x1/4
54	1	41-1766	Thrust Disk
55	1	41-0672	End Cap

67-0935 Sheet 1 of 2
Rev. 9-1998

CRR-1A and CRR-1B Dimensional Diagram



Capture Pump Accessories

Welch Catalog Number	Description
----------------------	-------------

Oil Separation/Return Kit	
---------------------------	--

Pump Oil	
----------	--

1407K-11	1 Quart Oil for CAPTURE Pump
1407K-15	1 Gallon Oil for CAPTURE Pump
1407K-20	5 Gallon Container Oil for CAPTURE Pump
1407K-25	55 Gallon Drum, Oil for CAPTURE Pump

MODEL CRR-1 DRIVE REQUIREMENTS

Cat. No.	Belt No.	Motor Pulley No.	Motor No. HP	Volts	Hz	PH	RPM	Remarks
CPR-1A	1405A	41-0668	41-1940, 1 HP	115/230	60	1	1,725	Wired for 115V
CPR-1B	1405A	41-0667	61-8552, 1 HP	110/220	50	1	1,425	-

SPECIFICATIONS

CRR-1A,1B

Vapor Pumping Rate at atmospheric pressure, CFM	10.6
L/min	300
Ultimate Pressure, inch of Hg	29.9+
Torr	0.030
Pascal	4
Maximum Discharge Pressure, PSIG	30
Pascal	3.1 x 10 ⁵
Maximum Discharge Pressure, PSIG	30
Pascal	3.1 x 10 ⁵
Pressure Rating of Pump Shell, PSIG	100
Pascal	7.9 x 10 ⁵
Suction Connection 0 Female NPT, inch	1
Discharge Connection - Female NPT, inch	1
Oil Return Connection 45°Flare	
Fitting Size, inch	¼
Minimum Size of System Piping - NPT, inch	1
Oil Capacity (qts/1)	2.5/2.4
Pump RPM	525
Dimensions(in/cm)	
Length	19.25/48.9
Width	12.31/31.3
Height	11.1/28.1