

**Welch®**

**OEM, Industrial & Refrigeration Catalog  
2005-2006**

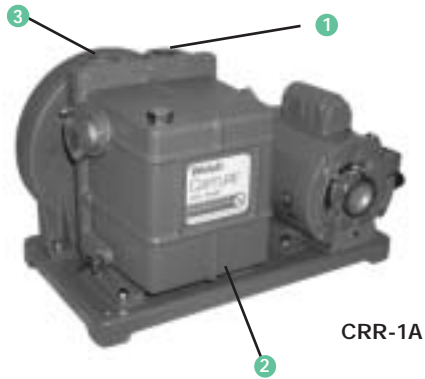
**Low Pressure Refrigerant Recovery  
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**ORDER ONLINE AT: [www.cfpwarehouse.com](http://www.cfpwarehouse.com) or contact:**

**COMBINED FLUID PRODUCTS COMPANY**  
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# Refrigeration Recovery Pump

## Refrigerant Recovery Efficiency Of 99.8%



- 1 Continuous discharge pressure to 30 PSIG (3.1 x 10<sup>5</sup> Pascal)
- 2 Pump shell rated to 100 PSIG (7.9 x 10<sup>5</sup> Pascal)
- 3 Minimal loss of pumping efficiency below 29.9 inches Hg, (1,000 microns Hg, 1 Torr, 1 mbar)

### CAPTURE® Pump

The CAPTURE pump has been specifically designed for recovery and recycling systems that evacuate refrigerant systems to greater than 29.9 inches Hg(1 Torr, 1 mbar) and boost refrigerant vapor to a holding tank. The recovery and recycling systems employing a CAPTURE pump are built for evacuation of R-11, R-113 and R-123 chillers. The pump design has been in use in recovery and recycling systems for over 15 years.

Pump oil separation and return is accomplished by attaching a standard float actuated oil return found in refrigerators. The oil separator is a proven technology that minimizes pump oil loss even for very large refrigerant systems. DUOSEAL pump oil, cat. no. 1407K-11, is recommended fluid to operate the CAPTURE pump.

## Specifications

Welch Model	CRR-1
Vapor Pumping Rate at atmospheric pressure	
CFM	10.6
L/min	300
Ultimate Pressure	
microns Hg	30
inch of Hg	29.9+
Torr(mbar)	0.03(0.04)
Maximum Discharge Pressure, PSIG(Pascal)	30(7.9 x 10 <sup>5</sup> )
Pressure Rating of Pump Shell, PSIG(Pascal)	100(10 <sup>6</sup> )
Suction Connection, Female NPT	1
Discharge Connection, Female NPT	1
Oil Return Connection, in. 45° Flare Fitting Size	1/4
Minimum Size of System Piping, NPT	1
Oil Capacity, qts(l)	2.5(2.4)
Motor RPM	1725
Pump RPM	525
Full Load(amps, 115/230V)	13.8/6.9
Locked Rotor(amps, 115/230V)	70/35
Overall Dimensions, LxWxH in.(cm)	19.25 x 12.3 x 11.1 (48.9 x 31.3 x 28.1)
Weight, lbs.(kg)	122(55.4)
Shipping Weight, lbs.(kg)	136(61.8)
Shipping Carton Dimensions	22 x 14.8 x 18
L x W x H in.(cm)	(55.9 x 37.6 x 45.7)

## Ordering Information

Wired for 115V, 60Hz, 1 Ph with N. Amer. 115V Plug	CRR-1A
Wired for 230V, 50Hz, 1 Ph w/Cont. Euro. (Schuko) Plug	CRR-1B

#### Notes:

1. For pump only, use cat. no. CRR-1.