



Model
CRR-1A

- Continuous discharge pressure to 30 psig(2.1 Bar)
- Pump shell rated to 100 psig (2.1 Bar)
- Minimal loss of pumping efficiency below 29.9" Hg (1000 microns/1.3 mbar)
- High flow rate of 10.6 cfm(300 lpm)
- Durable cast iron construction
- Proven dependability

The CAPTURE pump has been specifically designed for refrigerant recovery and recycling systems requiring chiller evacuation to 29.9 in. Hg(1000 micron/1.3 mbar) while subsequent boosting of refrigerant vapor to a holding tank to 30 psig(2.1 Bar). CAPTURE pumps are the heart of transportable recovery systems used for recovering low and medium pressure refrigerants, such as R-123 and R-11.

Recovery with the CAPTURE pump can be configured in a recovery system to employ the liquid-vapor method. The first step is the recovery cylinder is evacuated with the CAPTURE pump and that pulls the refrigerant from chiller into the cylinder. Once the

liquid refrigerant is recovered, valves are switched on the recovery system, so that the remaining vapor in chiller is evacuated by the pump and boosted into chiller. The CAPTURE pump then reaches vacuum pressure levels in chiller that are required by the Clean Air Act.

Pump oil separation from refrigerant vapor and return to pump 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 lubricant to operate the CAPTURE pump.

Specifications

Model

CRR-1

Free Air Displacement

cfm(lpm)

10.6 (300)

Ult. Vac. Pressure, microns (mbar)

1000(1.3)

Max Vacuum, in Hg

29.9+

Discharge Pressure, psig(bar)

30 (2.1)

Pump RPM

525

Motor Horsepower (watts)

1(750)

Oil Capacity, qt. (liters)

2.5(2.4)

Intake thread, NPT in.

1

Exhaust thread, NPT in.

1

Weight, lbs (kg)

112(55.5)

Overall dimensions LxWxH in.(cm)

19.3x12.3x11.1 (49x31.2x28.2)

Ship Weight, lbs. (kg)

170((77.3)

Shipping Carton Dimensions LxWxH in. (cm)

20x14.1x15.4 (55.9x45.7x48.3)

Ordering Information

Wired for 115V, 60Hz, 1 Ph with N. American 115V plug

CRR-1A

Wired for 230V, 50Hz, 1 Ph w/Cont. Euro. (Schuko) plug

CRR-1B

Mounted pump on base with guard, but without motor

CRR-1C