

### R-11\*, R-12, R-22, R114, 134A, R-500, R-502

**Efficiency** – Pump the liquid first... then the vapor... then vacuum to 23"-27" HG with one pump.

**High Pressure** – Positive displacement, two stage with plenty of "leverage" to condense the common refrigerant without a condenser.

**Flexibility** – Speed completely variable from zero to maximum lbs/minute. Stall against load. Start against load. Run dry. No need for unloaders or bypass valving. Add gauges and hoses to suit your application.

**Cool Operation** – No heat generated during liquid transfer. Minor warming during vapor transfer. No refrigerant heating from the motor.

**Safety** – Pneumatically driven. Operates from an air hose like an air tool. No electrical hazard.

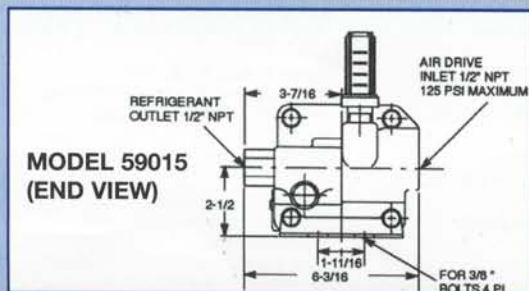
**Portability** – Each model is an integral pump with linear air motor assembly weighing from 13 to 24 lbs.

**Clean** – No lubrication required. Nothing is added to the refrigerant, liquid or vapor.

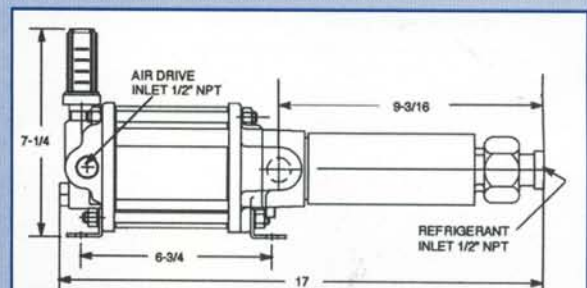
\*For R-11 or R-113 specify model number -2 (e.g. 59015-2) Provides change to buna o'rings in wetted section.



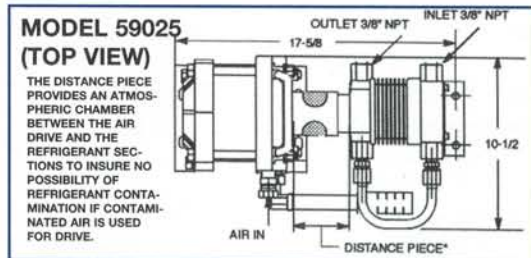
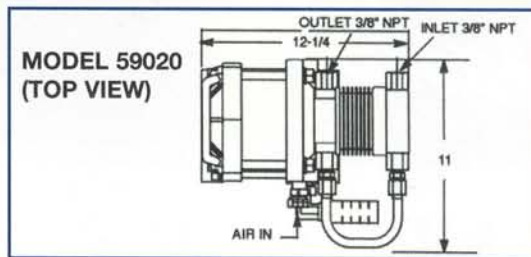
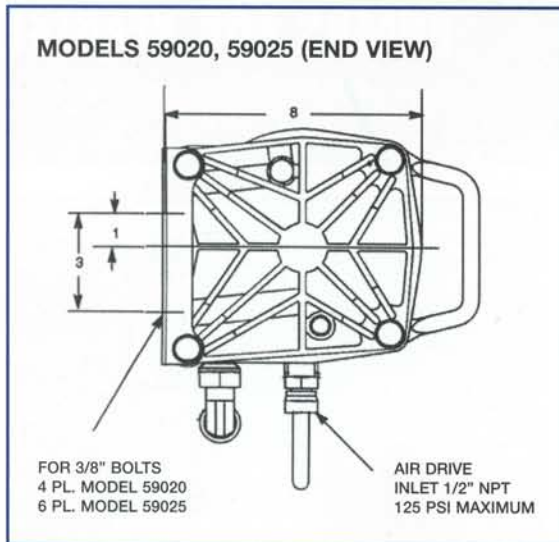
### DIMENSIONS AND PORTS



### MODEL 59015 (SIDE VIEW)



# PUMPS FOR REFRIGERANT RECOVERY OR RECHARGE

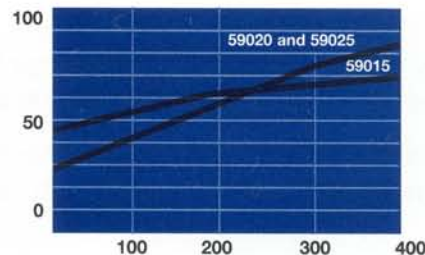


## BASIC SPECIFICATIONS

Model	Weight	Pump Displacement per Cycle	Air Drive Bore X Stroke	Seals Pumps	Seals Drive	Wetted Section Metals
59015	13 lbs.	8.9 cu. in.	4 x 2-1/2	Neoprene* and PTFE	Buna	Aluminum and S.S.
59020 59025	23 lbs. 24 lbs.	10 cu. in.	5-3/4 x 2	*Buna optional for R-11, R-113. Add-2 after model number (e.g. 59015-2)		

## INDICATIONS—APPROXIMATE PERFORMANCE

Model	Vapor			
	with constant output resistance of			
	15 psi		250 psi	
	and inlet falling from 15 psi to 0 psi	and inlet falling from 0 psi to 27" HG	and inlet falling from 50 psi to 0 psi	and inlet falling from 0 psi to 23" HG
59015	Averages 1.4 scfm	Averages .11 scfm	Averages 1.5 scfm	Averages .11 scfm
59020	Averages 1.5 scfm	Averages .15 scfm	Averages 1.6 scfm	Averages .14 scfm
59025				



- NOTE: 1. Air Driver Input:** Above data assumes approximately 100 psi at 40 scfm (10 HP compressor). Smaller air drive compressors will produce proportionally lower output rates (e.g. If air source is a 1 HP, 100 psi compressor, output rates will be about 10% above).
- 2. Suction of Plumbing:** Above data assumes 3/8 NPT inlet piping without restrictions. In many refrigerants recovery applications, severe restriction of inlet supply cannot be avoided and will starve the pump reducing output rates. This does no harm but with restricted suction, obviously there is no advantage in using large air compressors for drive.
- 3. Safety and Relief Valves** are recommended downstream since either pump at stall is capable of intensifying output pressures beyond normal refrigerant piping and receiver working pressures.



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