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.

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**DIMENSIONS AND PORTS**

**MODEL 59015 (SIDE VIEW)**

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800-999-7378
### Basic Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Weight</th>
<th>Pump Displacement per Cycle</th>
<th>Air Drive Bore X Stroke</th>
<th>Seals Pumps</th>
<th>Seals Drive</th>
<th>Wetted Section Metals</th>
</tr>
</thead>
<tbody>
<tr>
<td>59015</td>
<td>13 lbs.</td>
<td>8.9 cu. in.</td>
<td>4 x 2-1/2</td>
<td>Neoprene* and PTFE</td>
<td>Buna</td>
<td>Aluminum and S.S.</td>
</tr>
<tr>
<td>59020</td>
<td>23 lbs.</td>
<td>10 cu. in.</td>
<td>5-3/4 x 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>59025</td>
<td>24 lbs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Buna optional for R-11, R-113. Add-2 after model number (e.g. 59015-2)

### Indications - Approximate Performance

<table>
<thead>
<tr>
<th>Model</th>
<th>Vapor with constant output resistance of 15 psi and inlet falling from 15 psi+0 psi</th>
<th>Vapor with constant output resistance of 25 psi and inlet falling from 50 psi+0 psi</th>
</tr>
</thead>
<tbody>
<tr>
<td>59015</td>
<td>Averages 1.4 scfm, Avg. 0.11 scfm</td>
<td>Averages 1.5 scfm, Avg. 0.11 scfm</td>
</tr>
<tr>
<td>59020</td>
<td>Averages 1.5 scfm, Avg. 0.15 scfm</td>
<td>Averages 1.6 scfm, Avg. 0.14 scfm</td>
</tr>
<tr>
<td>59025</td>
<td>Averages 1.5 scfm, Avg. 0.15 scfm</td>
<td>Averages 1.6 scfm, Avg. 0.14 scfm</td>
</tr>
</tbody>
</table>

**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 1 HP 10 psi compressor, output rates will be about 10% lower.)
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 start 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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