**Model FF1 Portable Refrigerant Recovery Unit** — For Use with R12, R22, R502, R134a & Blends*

**Model FF1UL Portable Refrigerant Recovery Unit** — For Use with R12, R22, R502, R134a & Blends*

### FF1 Unit

**Features**
- New Subcool Feature for Cylinder Cooling under High Ambient Conditions
- Electrical Cord Wrap
- Patented Compressor Sight Glass for Monitoring of Oil & Easy access Compressor Oil Drain
- Recovers Liquid & Vapor the Same Way - No Need to Change Hoses
- Light Weight
- EPA & ARI Certified
- Easy to Use
- 053 Drier Supplied
- Built-in Sight Glass

**Applications**
- Commercial A/C
- Commercial Refrigeration
- Roof Top Units
- Ice Machines
- Residential A/C
- Appliances

**Specifications**
- Power: 7.70A, 115V, 60 HZ, 1PH
- Unit Weight: 47 lbs.
- Shipping Weight: 54 lbs.
- Dimensions: 12"H x 12"W x 15"D
- Connections: 3/8" MFL
- Oil Charge: 150 Alkyl Benzene

### FF1UL Unit

**Features**
- UL Listed
- New Subcool Feature for Cylinder Cooling under High Ambient Conditions
- Electrical Cord Wrap
- Patented Compressor Sight Glass for Monitoring of Oil & Easy Access Compressor Oil Drain
- Recovers Liquid & Vapor the Same Way - No Need to Change Hoses
- EPA & ARI Certified
- Light Weight
- Easy to Use
- Tank Overfill Protection
- Comes with 4 Positive Shut-off Hoses, 50 lb Cylinder
- 053 Drier Supplied
- Built-in Sight Glass

**Applications**
- Commercial A/C
- Commercial Refrigeration
- Roof Top Units
- Ice Machines
- Residential A/C
- Appliances

**Specifications**
- Power: 7.70A, 115V, 60 HZ, 1PH
- Unit Weight: 48 lbs.
- Shipping Weight: 59 lbs.
- Dimensions: 12"H x 15"W x 12"D
- Connections: 3/8" MFL
- Oil Charge: 150 Alkyl Benzene

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**FF1/FF1UL Recovery Diagram**

- Liquid flows from the disabled unit liquid side to the inlet of the FF1 marked “FROM DISABLED UNIT LIQUID SIDE.”
- It is discharged out of the FF1 outlet valve marked “TO RECOVERY TANK LIQUID PORT” into the liquid port of the recovery cylinder.
- The vapor side of the disabled system is pressurized by the outlet valve marked “TO DISABLED UNIT VAPOR SIDE.”
- The recovery cylinders internal pressure is reduced by pulling vapor off the top through the inlet valve marked “FROM RECOVERY TANK VAPOR PORT.”
- This allows the refrigerant to flow freely into the cylinder.

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**RATED IN ACCORDANCE WITH ARI STANDARD 740-98**

<table>
<thead>
<tr>
<th>REFRIGERANT GROUPS</th>
<th>REFRIGERANT</th>
<th>VAPOR REFRIGERANT</th>
<th>SHUT-OFF VACUUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>GR III</td>
<td>10.50 lbs./min</td>
<td>0.48 lbs./min</td>
<td>10&quot;</td>
</tr>
<tr>
<td>GR IV</td>
<td>8.40 lbs./min</td>
<td>0.50 lbs./min</td>
<td>10&quot;</td>
</tr>
</tbody>
</table>

* May not be applicable for all refrigerant blends. Consult factory for proper application.