

# Redi-Purge™ High Efficiency Purge

For Low Pressure Refrigerants R-11, R-123 & R-113

## Features & Benefits:

Models PRG-11/123-C3 & PRG-113-C3

- Cost less than Comparable Purge Units
- Cost less to install than Comparable Purge Units
- Utilizes existing purge connections. No soldering or welding required
- Refrigerant charge does not have to be "pulled" to install
- No "risky" DRILLING into chiller condenser
- Fast non-condensable removal
- Operates independent of system (chiller) operating status
- Automatic self-adjusting microprocessor controller "learns" system's needs operating only when necessary saving energy and wear on purge unit
- User friendly microprocessor control and display complete with purge event data logging and fault diagnostics
- DOES NOT have to be mounted on top of chiller



ETL listed 3104248

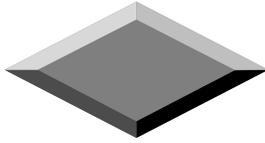
Ultra High Efficiency Purger obtains .59 lbs. of CFC per lb. of Air. With Carbon Emission Collection Canister only .0049 lbs. of CFC Loss Per lb. of Air and .00040 lbs. of CFC Loss Per lb. of Air emission with CRYOLINE Collection Canister.

## Some of the Many New Features and Benefits:

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| <ul style="list-style-type: none"><li>• Purge operation Data logging and display:<ul style="list-style-type: none"><li>Cumulative purge time (since installation)</li><li>Purge time for last 24-hour period</li><li>Thirty (30) day purge time average</li><li>Thirty (30) day purge time average while chiller compressor is running</li><li>Thirty (30) day purge time average while chiller compressor is off</li><li>Chiller "run time"</li></ul></li><li>• Purge to Operator interface and display</li><li>• RS-232 Capability</li><li>• Operates independent of chiller operations</li><li>• 1/3 H.P. Self-contained (R-134a) Refrigerant System</li><li>• Dual One-Pass filter driers installed on inlet side of purge cleans chiller refrigerant and protects purge tank from corrosion</li></ul> | <ul style="list-style-type: none"><li>• Fault diagnostic, Sensors &amp; Safeties<ul style="list-style-type: none"><li>Chiller leak location diagnostics</li><li>Purge unit compressor suction temperature (Superheat)</li><li>Purge Tank Evaporator Temperature</li><li>Drain status</li><li>Sensor diagnostics with Built-in Protection</li><li>Maximum pump-out rate exceeded - Protection</li><li>Purge Tank Liquid Level Indication</li><li>Liquid refrigerant overflow protection</li><li>Purge Fault protection</li><li>Drain Fault protection</li></ul></li><li>• OPTIONS:<ul style="list-style-type: none"><li>Chiller condenser low saturation temperature lockout</li><li>Remote Microprocessor Control Panel</li><li>Pre-Alarm (evaporator overpressure alarm)</li><li>Emission Collection Canister</li><li>Emission Collection Canister Saturation Alarm</li></ul></li></ul> |
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**INSTALLATION BENEFITS:**

- Unit can be mounted at eye level for operation and servicing convenience.
- Drilling or welding to the condenser shell is not necessary to install.
- The refrigerant charge in the chiller does not have to be removed to install.
- **COST LESS TO INSTALL THAN COMPARABLE PURGE UNITS.**
- **Simple Hook-up.**



**SPECIFICATIONS**

<p><b>OPERATING EFFICIENCIES:</b></p> <ul style="list-style-type: none"> <li>• The <b>Redi-Purge</b> High Efficiency Purge:</li> <li>• With the <b>Redi-Purge</b> Canister (Optional)</li> <li>• With the <b>Cryoline</b> Canister (Optional)</li> </ul>	<ul style="list-style-type: none"> <li>• Expels only .59 lb of CFC per lb. of air removed</li> <li>• Expels only .0049 lb of CFC per lb. of air removed</li> <li>• Attains .00040 lb CFC per pound of air</li> </ul>								
<p><b>ELECTRICAL REQUIREMENTS:</b></p>	<table border="0"> <tr> <td>• 103-127 VAC</td> <td>99-121 VAC</td> </tr> <tr> <td>• 60Hz</td> <td>50 Hz</td> </tr> <tr> <td>• 1-Phase</td> <td>1-Phase</td> </tr> <tr> <td>• 15 Amp Fused Circuit</td> <td>15 Amp Fused Circuit</td> </tr> </table>	• 103-127 VAC	99-121 VAC	• 60Hz	50 Hz	• 1-Phase	1-Phase	• 15 Amp Fused Circuit	15 Amp Fused Circuit
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• 60Hz	50 Hz								
• 1-Phase	1-Phase								
• 15 Amp Fused Circuit	15 Amp Fused Circuit								
<ul style="list-style-type: none"> <li>• <b>FAULT RELAY</b> Output Rating</li> </ul>	<ul style="list-style-type: none"> <li>• 120 VAC - 240VAC</li> </ul>								
<ul style="list-style-type: none"> <li>• <b>OPERATING ENVIRONMENT</b></li> </ul>	<ul style="list-style-type: none"> <li>• 40 F TO 120 F</li> </ul>								
<ul style="list-style-type: none"> <li>• <b>STORAGE ENVIRONMENT</b></li> </ul>	<ul style="list-style-type: none"> <li>• -20 F TO 140 F</li> </ul>								
<ul style="list-style-type: none"> <li>• <b>DIMENSIONS</b></li> </ul>	<ul style="list-style-type: none"> <li>• 20" H --16" W -- 25" L</li> </ul>								
<ul style="list-style-type: none"> <li>• <b>WEIGHT</b></li> </ul>	<ul style="list-style-type: none"> <li>• 110 lbs (shipping weight 140 lbs)</li> </ul>								
<ul style="list-style-type: none"> <li>• <b>CONDENSER REFRIGERANT</b></li> </ul>	<ul style="list-style-type: none"> <li>• R-134a</li> </ul>								
<ul style="list-style-type: none"> <li>• <b>FILTER/DRIER (OEM Provided)</b></li> </ul>	<ul style="list-style-type: none"> <li>• Dual streamline One Pass vapor inlet filter-drier</li> </ul>								
<ul style="list-style-type: none"> <li>• <b>FILTER/DRIER (Optional)</b></li> </ul>	<ul style="list-style-type: none"> <li>• 84 square inch liquid line filter-drier</li> </ul>								
<ul style="list-style-type: none"> <li>• <b>CONNECTIONS</b></li> </ul>	<ul style="list-style-type: none"> <li>• Vapor Inlet ½" OD—Liquid Return ¼" OD</li> </ul>								
<ul style="list-style-type: none"> <li>• <b>Purge-Purge Canister (optional)</b></li> </ul>									
<ul style="list-style-type: none"> <li>• <b>CARBON COLLECTION CANISTER</b></li> </ul>	<ul style="list-style-type: none"> <li>• Equivalent to 50 lb recovery cylinder</li> </ul>								
<ul style="list-style-type: none"> <li>• <b>WEIGHT (Carbon Collection Canister)</b></li> </ul>	<ul style="list-style-type: none"> <li>• 65 lbs. (shipping weight 75 lbs.)</li> </ul>								
<ul style="list-style-type: none"> <li>• <b>DIMENSIONS (Carbon Collection Canister)</b></li> </ul>	<ul style="list-style-type: none"> <li>• Height: 19 ½" -- Diameter: 11 ½"</li> </ul>								

