**Chiller Options and Accessories:**

- **Uses HFO Refrigerant:** Eliminates use of ozone-depleting coolant sealed from the atmosphere, eliminates bacterial build-up and internal corrosion.
- **Welded Stainless Steel Cooling Tank:** Recirculates clean coolant at constant pressure and flow, which is adjustable by turning a manual bypass valve.
- **Cooling Tank & Evaporator:** Capacity 95 gal (361 l) and insulated with closed cell thermo-elastomer with an R factor of 3.7.

**FEATURES**

**Energy Saving Design:** Unlike most process chillers, compressor runs only as needed. Storage design provides close temperature control and safety from freeze-up without constant operation.

**Complete Temperature Control:** Temperature adjustable within a range of 40°F to 90°F (5°C to 32°C) and will hold temperature within ±2°F (1°C) of setting, (1°F optional)

**Welded Stainless Steel Cooling Tank:** Recirculates clean coolant sealed from the atmosphere, eliminates bacterial build-up and internal corrosion.

** Uses HFO Refrigerant:** Eliminates use of ozone-depleting and high GWP (Global Warming Potential) refrigerant as per Montreal Protocol.

**Chiller Options and Accessories:** Design the perfect cooling system for any application. 50+ options to meet any special requirement. Custom engineering available, consult factory.

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**APPLICATIONS**

- Computers
- Power Supplies
- Vacuum Ovens
- Injection Molding
- Plasma Spraying
- Linear Accelerators
- Electron Microscopes

---

**SPECIFICATIONS**

**COOLING CAPACITY @ 68°F [20°C] Discharge & 90°F [32°C] Ambient**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>BTU/HR</th>
<th>WATTS</th>
<th>FULL LOAD AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCP or POC-750G-80</td>
<td>80,000</td>
<td>23,400</td>
<td>42 / 21</td>
</tr>
<tr>
<td>PCP or POC-750G-96</td>
<td>96,000</td>
<td>28,128</td>
<td>42 / 21</td>
</tr>
</tbody>
</table>

**COMPRESSOR:**

- HP: 7.5
- **Description:** Lifetime lubricated, hermetic scroll type supplied with high/low pressure stat, freeze control, head and suction gauges, pump down solenoid valve, thermostatic expansion valve, refrigerant sight glass and dehydrator.

**STANDARD CONDENSERS (Designated by suffix)**

- **A** Fan cooled condenser for indoor installation
- **W** Water cooled condenser for hookup to city or tower water
- **AR** Remote air cooled condenser furnished separately for mounting on roof.

**A-WP** Self-contained condenser; complete unit made weather-resistant for outdoor installation

**A-WP-LP** Self-contained condenser; weatherproof, low profile

**COOLING TANK & EVAPORATOR:** Capacity 95 gal (361 l) Welded stainless steel shell and immersion coil evaporator. Tank tested at 250# for 125# working pressure. Supplied with liquid level gauge and insulated with closed cell thermo- elastomer with an R factor of 3.7.

**PUMP:**

- HP: 1.5
- **Description:** 35 gpm (138 lpm) @ 25 PSI Stainless steel centrifugal pump mounted on rubber pads over a stainless steel condensation tray and supplied with unions and service valves and manually adjustable bypass valve. All piping and fittings brass, copper, or bronze and insulated with closed cell thermo-elastomer with an R factor of 3.7.

**THERMOSTAT:**

- Adjustable Range: 40°F to 90°F (5°C to 32°C)
- Temperature Stability: ±1.5°F (1°C)

**CABINET:**

- Enameled aluminum panels with stainless steel corner legs and top on a welded angle iron frame. Panels removable for access to all components.

**SUPPLY POWER:** 208 - 230/60/3 or 460/60/3

**NOTE:** FLA may vary depending on options. See MCA and MOP ratings on nameplate of as-built unit.

**PLUMBING CONNECTIONS IN & OUT:** 1-1/4" [31mm] MPT
CHILLER DIMENSIONS and WEIGHTS

<table>
<thead>
<tr>
<th>FILTRINE Model No.</th>
<th>W</th>
<th>D</th>
<th>H</th>
<th>SHIP WT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>in</td>
<td>cm</td>
<td>in</td>
<td>cm</td>
</tr>
<tr>
<td>PCP or POC-750G-A</td>
<td>82</td>
<td>208</td>
<td>39</td>
<td>99</td>
</tr>
<tr>
<td>PCP or POC-750G-W</td>
<td>82</td>
<td>208</td>
<td>30</td>
<td>76</td>
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<tr>
<td>PCP or POC-750G-AR</td>
<td>82</td>
<td>208</td>
<td>30</td>
<td>76</td>
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<tr>
<td>PCP or POC-750G-A-WP</td>
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<td>234</td>
<td>39</td>
<td>99</td>
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<tr>
<td>PCP or POC-750G-A-WP-LP**</td>
<td>94</td>
<td>238</td>
<td>87</td>
<td>221</td>
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<tr>
<td>PCP or POC-750G-A-SSD**</td>
<td>52</td>
<td>132</td>
<td>32</td>
<td>81</td>
</tr>
<tr>
<td>PCP or POC-750G-W-SSD**</td>
<td>52</td>
<td>132</td>
<td>32</td>
<td>81</td>
</tr>
<tr>
<td>PCP or POC-750G-AR-SSD**</td>
<td>52</td>
<td>132</td>
<td>32</td>
<td>81</td>
</tr>
</tbody>
</table>
| * Low profile weather-resistant unit for rooftop installation  
** Space Saving Design

NOTE: Higher ambient options may affect unit dimensions.

LEGEND
1. Air Vent
2. Fill Port
3. Coolant Return
4. Coolant Discharge
5. Control Panel
6. Gauges
7. To Remote Condenser [AR Models]
8. From Remote Condenser [AR Models]
9. Electrical Connection
10. Channel Skids

VENTILATION PANELS
Standard models: air intake at rear, air discharge at right end on A & WP models. On A-WP-LP model, air discharge out top.

REMOVABLE SERVICE PANELS
Front & rear on all models

CHANNEL SKIDS
Channel skids project 2” [5 cm] front and rear. Center of mounting holes located 6” [15 cm] from chiller end and 1” [2.5 cm] from chiller edge front and rear.

STANDARD OPERATING CONDITIONS

OUTDOOR AMBIENT
-20°F [-29°C] to 100°F [43°C]

OPTIONAL OPERATING CONDITIONS

OUTDOOR AMBIENT
Up to 110°F [43°C]
Up to 120°F [49°C]
Down to -30°F [-34°C]

NOTE: Connections for remote condenser are at right end of chiller cabinet.

REMOTE CONDENSER
Use w/Standard or SSD Models - Furnished complete w/controls for operating in ambient temperatures to minus 20°F [-29°C]; consult factory for specs. Connections for remote condenser are at right end of chiller cabinet.

NOTE: Information given in this bulletin for general use only. Confirm exact specs with factory for your specific requirements.

PUMP CAPACITY CHART

<table>
<thead>
<tr>
<th>PUMP MODEL</th>
<th>GPM at PRESSURE SHOWN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>psi 10 20 30 40 60 80 100</td>
</tr>
<tr>
<td>STD-1.5C</td>
<td>ft 23 46 69 92 138 184 231</td>
</tr>
<tr>
<td>OP-2C</td>
<td>65 57 46 30</td>
</tr>
<tr>
<td>OP-0.5T</td>
<td>8 8 8 8 8 7 6</td>
</tr>
<tr>
<td>OP-0.75T</td>
<td>13 13 12 12 11 10 8</td>
</tr>
</tbody>
</table>

* Standard pump is 1 1/2 HP, centrifugal [C]. Optional pumps [OP] include centrifugal or turbine [T] pumps. All turbine pumps include an adjustable pressure relief bypass in lieu of a manual bypass valve.