**ONE-PASS CHILLER**

**APPLICATIONS**
- Photo Developing
- Ingredient Make-up
- Poultry Cooling
- Bottling
- Dispensers
- Pharmaceuticals
- Reverse Osmosis
- Ice Machines
- Spray Washes
- Beverages
- Eye Wash Water
- Boiler Feed Samples

**FEATURES**
- Energy Saving Design
- Complete Temperature Control
- Welded Stainless Steel Cooling Tank
- Unlimited Options

**SPECIFICATIONS**

### COOLING CAPACITY

<table>
<thead>
<tr>
<th>BTU/HR</th>
<th>860,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watts</td>
<td>252,052</td>
</tr>
</tbody>
</table>

**Rating Conditions**
- Coolant Discharge Temperature: 68°F [20°C]
- Ambient Temperature: 90°F [32°C]
- Flow rate: 75 gpm @ 60 PSI [285 lpm]

**COMPRESSOR HP**
- DUAL 40

**COMMENTS**
- Field serviceable semi-hermetic type supplied with condenser as specified below, high/low pressure stat, freeze control, head and suction gauges, oil pressure switch, pump down solenoid valve, thermostatic expansion valve, refrigerant sight glass, dehydrator and oil separator.

**STANDARD CONDENSERS** (Designated by suffix)
- W Water cooled condenser for hookup to city or tower water
- AR Remote air cooled condenser for outdoor installation

**COOLING TANK & EVAPORATOR**
- Capacity: 510 gal [1938 ltr]
- Welded stainless steel shell and immersion coil evaporator.
- Tank tested at 250# for 125# working pressure and insulated with closed cell thermo-elastomer with an R factor of 3.7 and enclosed in rust-proof steel jacket.

**THERMOSTAT**
- Adjustable Range: 40°F to 90°F [5°C to 32°C]
- Temperature Stability: ± 2°F [1°C]

**CABINET**
- Enameled aluminum panels and top with stainless steel corner legs. Panels removable for access to all components.

**LIFETIME WARRANTY**
- Consult factory for details.

**ONE YEAR WARRANTY**
- All parts covered FOB jobsite for [12] months from start-up date or [15] months from date of shipment, whichever comes first. Consult factory for details.

**START-UP and FIRST YEAR SERVICE**
- Filtrine can arrange start-up and first year service on all parts and labor. Regular maintenance, to help prevent costly down-time, is available on a contractual basis. Consult factory for details.

**FILTRINE Mfg Co • 15 Kit St. Keene, NH 03431 USA**

**REVISED**
604-80 [PC-8000-860]
NOTE: Chiller dimensions and shipping wts. may vary depending on options - confirm with factory.

### LEGEND
1. Gauges
2. Control Panel
3. Coolant In
4. Coolant Discharge
5. Electrical Connection
6. To Remote Condenser [AR Models]
7. From Remote Condenser [AR Models]
8. Channel Skids

### VENTILATION PANELS
Recommend 3 ft. clearance at front for service and 18 in. clear space opposite all ventilation panels.

### 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. Skids add 2” [5 cm] to overall height.

### STANDARD OPERATING CONDITIONS
**OUTDOOR AMBIENT**

-20° to 100°F [-29° to 38°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: Higher ambient options may affect unit dimensions.

### REMOTE CONDENSER
AR model furnished complete w/controls for operating in ambient temperatures to minus 20°F [-29°C]. Connections for remote condenser are at right end of chiller cabinet.

### 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>
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<tbody>
<tr>
<td>PC-8000-860-AR</td>
<td>126</td>
<td>320</td>
<td>60</td>
<td>152</td>
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<tr>
<td>PC-8000-860-W</td>
<td>126</td>
<td>320</td>
<td>60</td>
<td>152</td>
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</table>

### GPM - CHILLER COOLING CAPACITY

<table>
<thead>
<tr>
<th>CHILLER MODEL NUMBER</th>
<th>MAKE UP WATER</th>
<th>CHANGE IN TEMPERATURE THROUGH CHILLER</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>5°F</td>
<td>10°F</td>
</tr>
<tr>
<td>PC-8000-860</td>
<td>90°F</td>
<td>365</td>
</tr>
<tr>
<td></td>
<td>80°F</td>
<td>361</td>
</tr>
<tr>
<td></td>
<td>70°F</td>
<td>345</td>
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<tr>
<td></td>
<td>60°F</td>
<td>313</td>
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<tr>
<td></td>
<td>50°F</td>
<td>265</td>
</tr>
<tr>
<td></td>
<td>40°F</td>
<td>229*</td>
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</table>

* Agitation pump required

### CHILLER CAPACITY

<table>
<thead>
<tr>
<th>Kw</th>
<th>BTU/Hr</th>
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</thead>
<tbody>
<tr>
<td>263.8</td>
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<tr>
<td>234.5</td>
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<tr>
<td>205.2</td>
<td>700,000</td>
</tr>
<tr>
<td>175.8</td>
<td>600,000</td>
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<tr>
<td>146.5</td>
<td>500,000</td>
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<tr>
<td>117.2</td>
<td>400,000</td>
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<tr>
<td>89.7</td>
<td>300,000</td>
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<tr>
<td>58.6</td>
<td>200,000</td>
</tr>
<tr>
<td>29.3</td>
<td>100,000</td>
</tr>
</tbody>
</table>

L - LOW OUTLET temperature range
NORMAL OUTLET temperature range

* For outlet temperatures below 34°F - use appropriate antifreeze

### AMBIENT TEMP

- 80°F | 27°C
- 90°F | 32°C
- 100°F | 38°C
- 110°F | 43°C

### NOTE:
Drawing is composite of various models to demonstrate plumbing locations. Confirm footprint with factory.