ENERGY SAVING OPTIONS AVAILABLE
CONSULT FACTORY

START-UP and FIRST YEAR SERVICE
Filtrine provides start-up and first year service on all parts labor. Regular maintenance is on a yearly contract basis is a wise investment and will prevent costly downtime.

WARRANTY
All parts are covered for 1 year from date of shipment or whichever comes first.

SERVICE MAKES THE DIFFERENCE
Recognizing that downtime on critical medical equipment is unacceptable, Filtrine has established a network of qualified service technicians, selected because of their extensive experience working on medical equipment chillers and their location within the “Emergency Response Zone” (approximately 40 miles). This expert and quick service is available on an 8/5 or 24/7 basis for all Filtrine medical chillers and heat exchangers.

MODEL ....................... PCP or POC-6000-660
FIELD SERVICEABLE HERMETIC MODELS

DESCRIPTION
Filtrine's PCP and POC chillers recirculate a clean coolant at constant temperature and pressure to increase the stability and consistency of water cooled machines and instruments. Choose from different condenser configurations to match your specific site requirements.

PCP - Closed Loop Chillers: Use a storage type cooling tank, with immersion coil evaporator, to provide close temperature control of recirculating coolants. The tank is sealed to prevent coolant evaporation and fouling, and supplied with a liquid level gauge, fill port and clean out. The pump recirculates coolant at constant pressure and flow, which is adjustable by turning a manual bypass valve.

POC - Open Loop Chillers: Pump liquid from an open tank or sump, through the chiller and back to the sump. An adjustable thermostat senses the make up liquid temperature, cycling the chiller to ensure constant temperature in the sump.

SPECIFICATIONS

COOLING CAPACITY: BTU/HR .......................................................... 660,00
Watts ..................................................................................................... 193,435
Rating Conditions
Coolant Discharge Temperature ..................................................... 68°F (20°C)
Ambient Temperature ................................................................ 90°F (32°C)
COMPRESSOR: HP .............................................................................. DUAL 30
Field serviceable semi-hermetic type supplied with condenser as specified below, high/low pressure switch, 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 furnished separately for mounting on roof.
AR-WP Remote air cooled condenser; complete unit made weather-resistant for outdoor installation

COOLING TANK & EVAPORATOR: Capacity ....................................... 500 gal (1,993 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 ........................................................................................................ 5
Capacity ..................................................................................... 80 gpm (303 lpm) @ 45 PSI
All bronze 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 .......................................................... ±2°F (1°C)
CABINET: Enamel aluminum panels with stainless steel corner legs and top on a welded angle iron frame. Panels removable for access to all components.

SUPPLY POWER: .......................................................... 230/60/3 or 460/60/3
FLA Amps Maximum: .......................................................... 250 or 126
NOTE: FLA may vary depending on options. See MCA and MOP ratings on nameplate of as-built unit.

PLUMBING CONNECTIONS IN & OUT .............................................. 2-1/2" (63mm) MPT
SHIPPING WEIGHT .......................................................... Chart on reverse
PUMP CAPACITY

<table>
<thead>
<tr>
<th>PUMP MODEL*</th>
<th>GPM @ PRESSURE SHOWN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>psi 25 35 45 55</td>
</tr>
<tr>
<td></td>
<td>ft 58 80 103 126</td>
</tr>
<tr>
<td>STD5C</td>
<td>140 120 80 60</td>
</tr>
</tbody>
</table>

NOTE: Standard pump is 5HP, centrifugal (C)

CHILLER CAPACITY

AMBIENT TEMP

-20°F to 100°F (-29°C to 38°C)

NOTE: Manufacturer recommends 36” clearance at front for service and 18” clear space opposite all ventilation panels.

STANDARD MODELS

Suffix W, AR & AR-WP

STANDARD OPERATING CONDITIONS

OUTDOOR AMBIENT
-20°F to 100°F (-29°C to 38°C)

OPTIONAL OPERATING CONDITIONS

OUTDOOR AMBIENT
Up to 110°F (43°C)
Up to to 120°F (49°C)
Down to -30°F (-34°C)

NOTE Higher ambient options may affect unit dimensions.

REMOVABLE SERVICE PANELS

Front & rear on all models.

CHANNEL SKIDS

Channel skids project 2” (5 cm) front and rear. Center of 5/8” (16mm) mounting holes located 6” (15cm) from chiller end and 1” (2.5 cm) from chiller edge front and rear. Skids add 2” (5 cm) overall height to chiller.

REMOTE CONDENSER

Use with AR 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.