PORTABLE CHILLERS

- 5 to 40 Tons Capacity
- Microprocessor Chiller Control
- Water-Cooled Condenser
- Powder Coat Steel Frame & Cabinetry
- Scroll Compressor
- Brazed Plate Evaporator
- Non Ozone Depleting Refrigerants

The CF-W Series central chiller provides precision temperature control from an economically affordable and reliable unit. Perfect for applications such as plastic injection molding, blow molding, extrusion and other industrial applications.

TEMPERATURE RANGE
- 20° - 65°F

REFRIGERANT CIRCUIT
- Scroll compressor on 5 - 30 ton models
- Discus compressor on 40 ton models
- Water-cooled condenser
- Filter-drier
- Liquid line solenoid valve
- Refrigerant sight glass with moisture indicator
- Thermostatic expansion valve
- Hot gas by-pass capacity control
- Braze plate evaporator
- Full component insulation
- Environmentally friendly refrigerants

COOLANT CIRCUIT
- Stainless steel process pump on 5 - 20 ton models
- Cast iron process pump on 25 - 40 ton models
- Insulate polyethylene reservoir
- All Nonferrous Construction

LIMIT DEVICES
- Compressor motor overload protection
- Refrigerant high pressure switch
- Refrigerant low pressure switch
- Instrument control circuit fuse
- Refrigerant pressure relief

ELECTRICAL
- Nema rated electrical cabinet
- Process pump motor starter
- Compressor motor starter
- Fused transformer
- Power entry terminal block

FRAME
- Female NPT process connections
- Galvanized steel frame
- 4" bearing casters

CHILLER CONTROL INSTRUMENT
- Microprocessor based controller
- Large temperature display window
- To process temperature display in °F and °C
- Illuminated Power On switch
- Indicator lights for Compressor and Hot Gas Bypass
- Diagnostic light for Refrigerant Fault
- Soft key setpoint selectors

WARRANTY & SERVICE
- 1 year on parts & labor
- Nationwide network of service contractors

PRICE & PERFORMANCE... for the LONG TERM

525 East Stop 18 Road Greenwood, IN 46142  317-887-6352  fax: 317-881-1277   Web site: www.Temptek.com   Email: sales@Temptek.com
# SPECIFICATIONS

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**Notes**
1. Since product innovation and improvement is our constant goal, all features and specifications are subject to change without notice or liability. Selection of certain optional features may change listed specifications.
2. Tons or Kilowatts capacity at 12,000 Btu/hr @ 50°F LWT, 85°F condensing water and 105°F condensing. Capacity multipliers are 50°F - 1.00; 40°F - 0.80; 30°F - 0.60; 20°F - 0.40. The minimum recommended operating temperature when no glycol is used is 48°F.
3. R = hermetic reciprocating. SC = hermetic scroll.
4. P = positive displacement. C = centrifugal.
6. City water requirements based on 60°F water supply at 20 PSI differential with a clean condenser.
7. Tower water requirements based on 85°F water supply at 20 PSI differential with a clean condenser.
8. Full load amps are higher than run load amps and must be used for sizing disconnects and supply wiring.
10. Approximate unit weight crated for shipment.

**MECHANICAL COMPONENTS**

- **A** Insulated Reservoir
- **B** To Process Connection
- **C** From Process Connection
- **D** Expansion Valve
- **E** Refrigerant Sight Glass
- **F** Water-Cooled Condenser
- **G** Steel Frame
- **H** Instrument (not viewed in picture)
- **I** Condenser Water Return
- **J** Condenser Water Supply
- **K** Caster
- **L** Centrifugal Pump
- **M** Compressor
- **N** Refrigerant Components:
  - Liquid Line Solenoid Valve, Hot Gas Bypass Valve, Filter-Drier
- **O** Electrical Cabinet

**CF-10W shown**