

PORTABLE CHILLERS

CF-W SERIES

WATER-COOLED

- 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

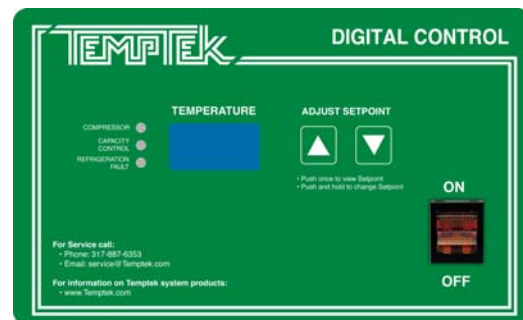
- Nema rated electrical cabinet
- Process pump motor starter
- Compressor motor starter
- Fused transformer
- Power entry terminal block

FRAME

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



CF-10W shown



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

TEMPTTEK®

since 1989

SPECIFICATIONS

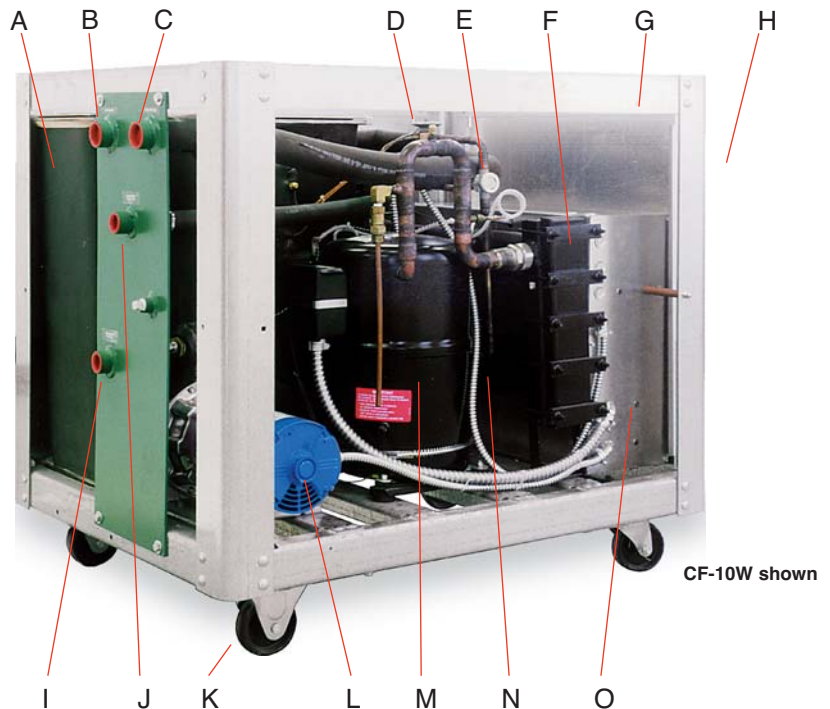
MODEL CF-		5W	7.5W	10W	15W	20W	25W	30W	40W
CAPACITY @ 50°F LWT	Tons ²	5.1	7.6	10.5	15	20	25	30	40
	KW ²	17.9	26.7	36.8	52.6	70.2	87.7	105.3	140.4
COMPRESSOR	HP	5	7½	10	15	10 ⁽²⁾	13 ⁽²⁾	15 ⁽²⁾	20 ⁽²⁾
	Type ³	SC	SC	SC	SC	SC	SC	SC	SC
REFRIGERANT		410A	410A	410A	407C	407C	407C	407C	407C
PROCESS PUMP	HP	2	2	2	3	3	5	5	7½
	GPM	12	19	26	36	48	60	72	92
	PSI	52	48	47	55	50	59	57	61
	Type ⁴	C	C	C	C	C	C	C	C
	Construction ⁵	SS	SS	SS	SS	SS	SS	SS	C
CONNECTION	Process (to/from)	1¼	1¼	1¼	2	2	2	2	2½
SIZES	Condenser	¾	¾	1	1¼	1¼	1½	1½	2½
	Make-Up	½	½	½	½	½	½	½	½
WATER-COOLED	City ⁶	8	14	17	23	32	39	45	60
CONDENSER	Tower ⁷	15	28	43	45	63	78	90	120
FULL LOAD ⁸	230 volt	30	40	48	68.4	78	106	134	178
AMPERAGE	460 volt	15	20	24	34.2	39	53	67	89
	575 volt	12	16	20	27.5	32	43	54	72
TANK CAPACITY (gallons)	Holding	25	25	25	65	65	65	65	65
	Tank Lid ⁹	S	S	S	S	S	S	S	S
	Auto Make Up ⁹	S	S	S	S	S	S	S	S
DIMENSIONS (inches)	Height	40	40	40	57	57	57	57	57
	Width	32	32	32	34	34	34	34	34
	Depth	40	40	40	80	80	80	80	80
WEIGHTS (pounds)	Shipping ¹⁰	655	740	760	1,500	1,900	2,100	2,200	2,500

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/ton @ 50°F LWT, 85°F condensing water and 105°F condensing. Capacity multipliers are 50°F - 1.00; 40°F - .80; 30°F - .60; 20°F - .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.
5. B = brass. SS = stainless steel. C = cast iron.
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.
9. S = standard. O = optional.
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
(not viewed in picture)
- O Electrical Cabinet



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
 Since product innovation and improvement is our constant goal, all features and specifications are subject to change without notice. form #ADV-593 11/05 updated 2/12 ©2012 TEMPTTEK, INC.

TEMPTEK

since 1989