

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**

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. Product features include:

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

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

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



CF-10W shown

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

WARRANTY & SERVICE

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

PRICE & PERFORMANCE... for the LONG TERM

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TEMPTTEK[®]

since 1989

SPECIFICATIONS

CF-W SERIES SPECIFICATIONS

MODEL		5W	7.5W	10W	15W	20W	25W	30W	40W
COMPRESSOR	Capacity ¹	5.1	8.2	10.9	15	21	26	30	40
	HP	5	7-1/2	10	15	10	13	15	40
	Quantity	1	1	1	1	2	2	2	1
	Type ²	SC	SC	SC	SC	SC	SC	SC	D
PROCESS PUMP ³	HP	2	2	2	3	3	5	5	7-1/2
	GPM	12	19	26	36	48	60	72	92
	PSI	63	48	47	55	50	59	57	61
CONNECTION SIZES (inches)	Process	1-1/4	1-1/4	1-1/4	2	2	2	2	2-1/2
	Condensing	3/4	3/4	1	1-1/4	1-1/4	1-1/2	1-1/2	2
CONDENSING WATER (GPM)	City ⁴	8	14	17	23	32	39	45	60
	Tower ⁵	15	28	43	45	63	78	90	120
AMPERAGE ⁶	230 / 3 / 60	32	40	48	68	88	116	124	166
	460 / 3 / 60	16	20	24	34	44	59	62	83
	575 / 3 / 60	13	16	20	28	36	46	50	66
REFRIGERANT	Type HCFC	22	22	22	22	22	22	22	22
RESERVOIR CAPACITY	Gallons	25	25	25	65	65	65	65	65
DIMENSIONS	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
WEIGHT (LBS)	Shipping ⁷	550	600	625	1,500	1,900	2,100	2,200	2,500

Notes:

1. Tons of capacity at 12,000 BTU / ton at 50°F LWT at 105°F condensing water temperature. Capacities may be +/- 5% as reserved by the compressor manufacturer. 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.

2. SC = scroll compressor used on this model. D = disc compressor used on this model.

3. Consult with the factory for exact characteristics relating to pump curves.

4. City water requirements based on 60°F water supply at 20 PSI with a clean condenser.

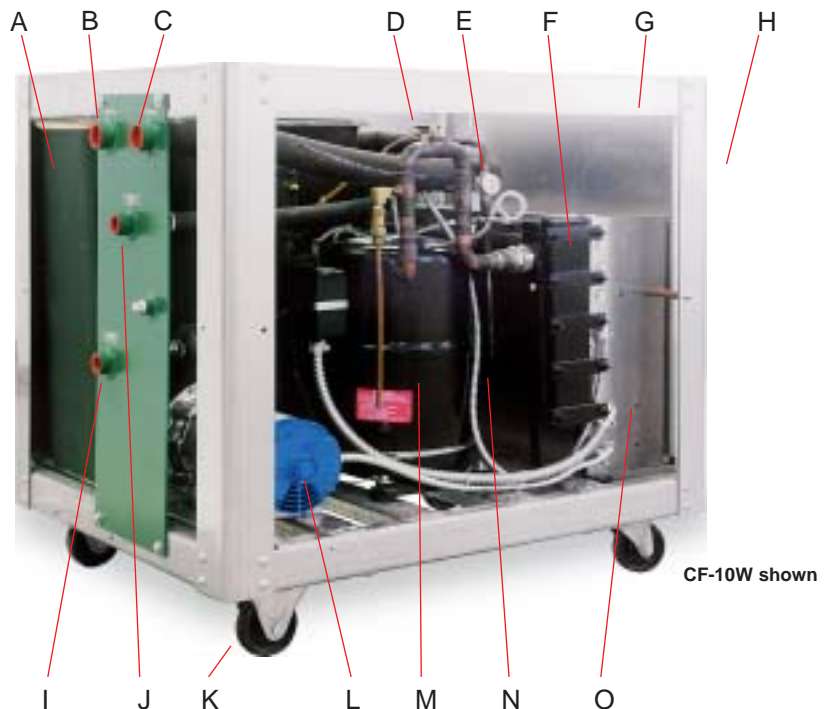
5. Tower water requirements are shown in GPM and based on 85°F water supply at 20 PSI with a clean condenser.

6. Full load amperage shown. No allowance for inrush. Service disconnect by owner. Actual running amps at design condition. Full load amps are higher than run load amps and must be used for sizing disconnects and supply wiring. Consult factory for 50 Hz operation.

7. 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



CF-10W shown

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