

## CWG

### Hot Water Heat Transfer System

- Water and Water/Glycol Solutions to 250°F
- 6 - 400 kW (15 - 1,365 Mbh)
- 240, 480 and 550V, 3 Phase, 60 Hz
- 150 Lb Welded Steel Construction
- Heavy Duty 0.475" Dia. Copper Sheath Elements
- Cast Iron Bronze Fitted Centrifugal Pump with Cast Steel Strainer (Capacities to 200 gpm @ 100 psi TDH)
- Electronic Digital Temperature and Process Control
- NEMA 1 Electrical Enclosure with Circuit Breaker, On-Off Switches, Pilot Lights and 120V Control Transformer (Standard)
- NEMA 4, 12 and Explosion Resistant (Class I, Group D, Div. I see Note 1) Electrical Enclosures Available
- Dual Pressure Gauge Monitors Pump Inlet and Discharge Pressure
- Bypass Safety Relief Line Protects Pump (Blocked Flow)
- Manual Inlet and Outlet Valves for Isolation of Process
- Manual Air Bleed Drain Valves
- ASME 125 psig Relief Valve
- Optional ASME Certification to Section IV or VIII for 125 psig @ 250°F

#### Applications

Chromalox CWG Series Hot Water Heat Transfer Systems can be used in closed-loops with water or water-glycol mixtures to a maximum operating temperature of 250°F. Applications include heating only or heating and cooling of jacketed vessels, rolls, heater exchangers, platens, dies and molds requiring high and uniform temperature throughout the process.

#### Features

All exposed sides have heavy 16 gauge sheet metal panels for operator protection.

Special two-part epoxy paint, chemically resistant to heat transfer fluids, assures good looks and ease of cleaning for years.

Standard NPT threaded piping connections provide convenient hook up to external piping.

All electrical construction conforms to NEC standards with fusing on all internal circuits.

**WARNING** — In hazardous areas, pipe surfaces could achieve temperatures high enough to cause auto-ignition of the hazardous materials present. Consult Article 500 of the National Electrical Code for further information on the maximum allowable temperatures for a specific application.



#### Options

- Expansion Tank (recommended)
- Float and Level Switches
- Open and Closed-loop Cooling Modules
- Alternate Pumps and Pump Manufacturers
- Electronic Process Controls
- Solid State Power Controllers
- Electronic Sequencers, Recorders, Monitors and Time Clocks
- Other Voltages and Ratings to 1,200 kW Available

#### Specifications and Ordering Information

kW	System (Gal.)	Exp. Tank	Pump (HP)	Gpm	Dimensions (In.)			Model	Stock	PCN	Wt. (Lbs.)
					L	D	H				
6	3	12	1	25	36	35	48	CWG-250A-6	NS	—	600
9	3	12	1	25	36	35	48	CWG-250A-9	NS	—	600
12	3	12	1	25	36	35	48	CWG-250A-12	NS	—	800
15	3	12	1	25	36	35	65	CWG-250A-15	NS	—	800
18	3	12	1	25	36	35	65	CWG-250A-18	NS	—	800
24	6	18	1	25	36	35	65	CWG-250A-24	NS	—	1,000
30	6	18	1	25	36	35	65	CWG-250A-30	NS	—	1,000
40	6	30	1	25	36	35	65	CWG-250A-40	NS	—	1,000
60	10	30	1-1/2	50	44	38	65	CWG-250A-60	NS	—	1,300
80	10	30	1-1/2	50	44	38	65	CWG-250A-80	NS	—	1,400
100	10	30	1-1/2	50	44	38	65	CWG-250A-100	NS	—	1,500
125	15	42	5	90	62	46	65	CWG-250A-125	NS	—	1,700
150	16	42	5	90	62	46	65	CWG-250A-150	NS	—	1,800
200	18	42	5	90	62	46	65	CWG-250A-200	NS	—	1,900
250	23	80	7-1/2	150	62	46	65	CWG-250A-250	NS	—	2,000
300	28	80	7-1/2	150	62	46	84	CWG-250A-300	NS	—	2,200
350	30	80	10	200	62	46	84	CWG-250A-350	NS	—	2,200
400	32	80	10	200	62	46	84	CWG-250A-400	NS	—	2,200

**Stock Status:** S = stock AS = assembly stock NS = non-stock  
**To Order**—Specify model, volts, phase, kW, PCN, options and quantity.