

# RECIRCULATING CHILLERS



Mercury Chillers from BV Thermal Systems, Division of Budzar Industries, deliver chilling control with excellent accuracy. Standard features include the highest quality refrigeration and plumbing components in the industry – stainless steel evaporator/heat exchanger, hot gas bypass and fluid bypass/pressure regulating valve. Other standard features included are: PID temperature controller, hard brazed or welded connections, seamless reservoirs, Din rail mounted components, heavy duty powder coated paint and service without equal.

## Options available

## Features

- 828 watts to 52,000 watts
- External pressure/flow adjustment
- Touch screen control with safety package
- PLC driven
- Auto tuning PID controller
- 100 million cycle solenoid valves
- RoHS compliant
- 3" fill port with screw on top
- CFC free refrigerant
- Reservoir drain with valve
- Liquid filled pressure gauge
- Corrosion free wetted surfaces
- Platinum temperature probe
- Adjustable high & low temperature alarms
- Locking, non-marring casters
- Water condenser
- Analog Remote control of temperature controller
- RS-232 or RS-485 interface
- Return temperature display
- Various voltages
- Resistivity meter
- Resistivity status
- Solenoid controlled anti-flood back system
- Auto fill with redundant safety ports for supply and return
- Pressure regulating valve
- Positive displacement pump
- Centrifugal type pump
- Magnetically coupled stainless steel pump
- Fluorinated fluid
- NEMA 4x electrical enclosure & weather proofing measures

For a more complete list of options available, please contact us.

1064 Woodland Ave. Suite K  
Modesto, CA 95351  
www.BVThermal.com  
209-522-3701

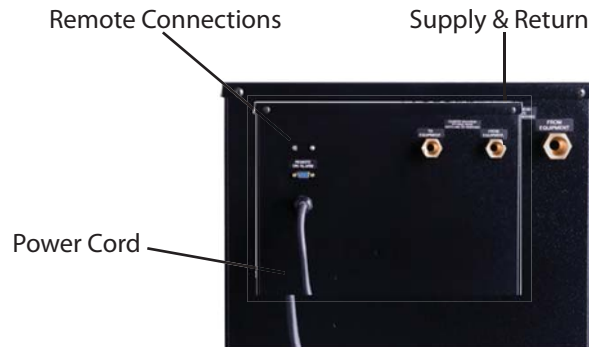
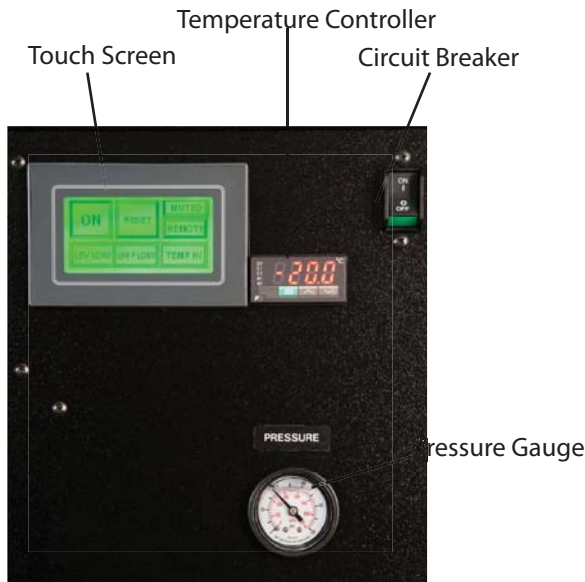
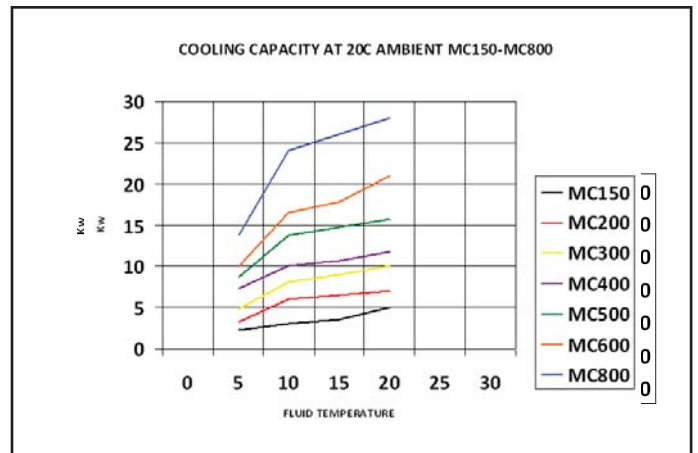
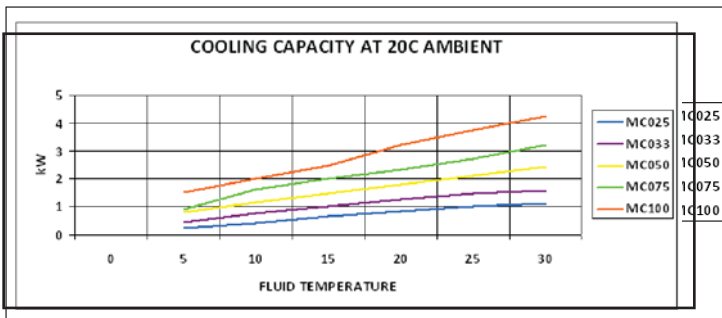


# Specifications

MODEL	MC025	MC033	MC050	MC075	MC100	MC150	MC200
Cooling Capacity	828 watts @ 20°C	1073 watts @ 20°C	1764 watts @ 20°C	2393 watts @ 20°C	3163 watts @ 20°C	4895 watts @ 20°C	7000 watts @ 20°C
Stability	±0.1°C	±0.1°C	±0.1°C	±0.1°C	±0.1°C	±0.1°C	±0.1°C
Temperature Range	+5°C to +35°C	+5°C to +35°C	+5°C to +35°C	+5°C to +35°C	+5°C to +35°C	+5°C to +35°C	+5°C to +35°C
Pump	2.2 GPM to 99 PSI	2.2 GPM to 99 PSI	2.2 GPM to 99 PSI	2.2 GPM to 99 PSI	2.2 GPM to 99 PSI	4.0 GPM to 99 PSI	4.0 GPM to 99 PSI
Reservoir Volume	1.3 gal	1.3 gal	1.3 gal	1.3 gal	2 gal	2 gal	7 gal
Dimensions (w x d x h) in	14.5 x 22 x 29	14.5 x 22 x 29	14.5 x 22 x 29	14.5 x 22 x 29	36 x 27 x 29.75	36 x 27 x 29.75	38 x 32 x 39
Power Requirements	115V, 9A	115V, 12A	200-230V, 8A	200-230V, 10A	200-230V, 12A	200-230V, 20A	200-230V, 17A
Weight (lbs)	130	130	142	180	258	270	404

MODEL	MC300	MC400	MC500	MC600	MC800	MC1000	MC1500
Cooling Capacity	10,000 watts @ 20°C	12,800 watts @ 20°C	16,400 watts @ 20°C	20,000 watts @ 20°C	26,000 watts @ 20°C	34,500 watts @ 20°C	52,000 watts @ 20°C
Stability	±0.1°C	±0.1°C	±0.1°C	±0.1°C	±0.1°C	±0.1°C	±0.1°C
Temperature Range	+5°C to +35°C	+5°C to +35°C	+5°C to +35°C	+5°C to +35°C	+5°C to +35°C	+5°C to +35°C	+5°C to +35°C
Pump	4.0 GPM to 99 PSI	10 GPM to 40 PSI	10 GPM to 40 PSI	10 GPM to 40 PSI	10 GPM to 40 PSI	10 GPM to 40 PSI	20 GPM to 40 PSI
Reservoir Volume	7 gal	7 gal	7 gal	7 gal	7 gal	7 gal	7 gal
Dimensions (w x d x h) in	38.5 x 32 x 39	48.5 x 33 x 48	48.5 x 33 x 48	65 x 45 x 42.25	65 x 45 x 42.25	65 x 45 x 42.25	65 x 45 x 42.25
Power Requirements	200-230V, 20A	200-230V-3, 16A	200-230V-3, 20A	200-230V-3, 22A	200-230V-3, 26A	460V-3, 20A	460V-3, 28A
Weight (lbs)	442	484	531	720	825	955	110



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