



Quality Temperature Control for High Tech Industries

- Laboratories
- Medical
- Universities
- Defense
- Wineries
- Optical
- Research
- Semiconductor
- Laser
- Extraction

Recirculating Chillers

- Accuracy
- Reliability
- Performance



Recirculating Chiller Specifications

MODEL	MC025	MC033	MC050	MC075	MC100
Cooling Capacity @20°C (watts)	861	1,119	1,702	2,681	3,675
Stability	±1.0°C				
Temperature Range	+5°C to +30°C				
Pump	2.2 GPM to 99 PSI				
Reservoir Volume	1.3 gal				2 gal
Dimensions (w x d x h) (in.)	14.5 x 22 x 29				24.125 x 31.125 x 36
Power Requirements	115V, 9A	115V, 12A	200-230V, 8A	200-230V, 10A	200-230V, 12A
Weight (lbs)	130	130	142	180	258

*Rackmount design is an option.

MODEL	MC150	MC200	MC300	MC400	MC500
Cooling Capacity @20°C (watts)	5,480	6,916	10,492	13,247	17,614
Stability	±1.0°C				
Temperature Range	+5°C to +30°C				
Pump	4.0 GPM to 99 PSI			10.0 GPM to 40 PSI	
Reservoir Volume	2 gal	7 gal			
Dimensions (w x d x h) (in.)	24.125 x 31.125 x 36	38 x 32 x 39	38.5 x 32 x 39	48.5 x 33 x 48	48.5 x 33 x 48
Power Requirements	200-230V, 20A	200-230V, 17A	200-230V, 20A	200-230V, 16A	200-230V, 20A
Weight (lbs)	270	404	442	484	531

MODEL	MC600	MC800	MC1000	MC1500
Cooling Capacity @20°C (watts)	20,955	25,644	33,704	59,700
Stability	±1.0°C			
Temperature Range	+5°C to +30°C			
Pump	10 GPM to 40 PSI			20 GPM to 40 PSI
Reservoir Volume	7 gal			
Dimensions (w x d x h) (in.)	65 x 45 x 42.25			
Power Requirements	200-230V-3, 22A	200-230V-3, 26A	460V-3, 20A	460V-3, 28A
Weight (lbs)	720	825	955	1100

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Recirculating Chiller Features

Allen Bradley Controller



- 480 x 272Resolution
- 600MHz RISC CPU
- Support for over 300 protocols

Features

- 861 watts to 59,700 watts
- Stainless steel evaporator/heat exchanger
- Hot gas bypass/pressure regulating valve
- Hard brazed or welded connections
- Seamless reservoirs
- Dir rail mounted components
- Heavy duty powder coated
- External pressure/flow adjustment
- Touch screen control with safety package
- Allen Bradley PLC driven
- 100 million cycle solenoid valves
- 3" port with screw on top
- CFC free refrigerant
- Reservoir drain with valve
- Liquid filled pressure gauge
- Corrosion free wetted surfaces
- Platinum temperature probe
- Locking, non-marring casters

UNITS MANUFACTURED BY BV THERMAL SYSTEMS



Rack Mount Chiller



Low-Temperature Chiller



Benchtop Chiller



Fluid to Fluid
Heat Exchanger

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