

Affinity® Thermal Control Products from Lydall

Lydall Affinity® thermal control solutions are designed and built to your manufacturing specifications and are focused on reducing energy consumption. High-performance refrigerated and non-refrigerated chillers and heating systems in compact, modular and user-friendly designs, deliver process temperature ranges of -80°C to +200°C.

Innovative, modular design.

Reliable performance.

Flexible applications.

# Triple Loop Custom Chiller

## Water Cooled

### System Features:

- Compact size
- Modular design
- Side panels and end cover lift off completely with no tools
- Flow meter in facility supply line
- Instantly accessible pumps
- All coolant loops hard plumbed with low pressure drops
- PLC operation
- Digital temperature displays
- Platinum RTD probes
- Sealed reservoir with easy access
- Auto refill in all 3 loops
- Flow meters in all coolant loops
- Control valves on all coolant loops
- All swivel casters
- Leveling feet
- MET listed
- Copper hard-plumbed facility water loop
- DI package
- Components designed for continuous operation
- Celcius or Fahrenheit scales
- Programmable high and low temperature alarms
- Plate heat exchangers
- Coolant reservoir drains and strainers
- HFC refrigerant design (R407C)
- Hot gas bypass refrigerant design
- Vibration eliminators for quiet, smooth running



Now you have a choice.

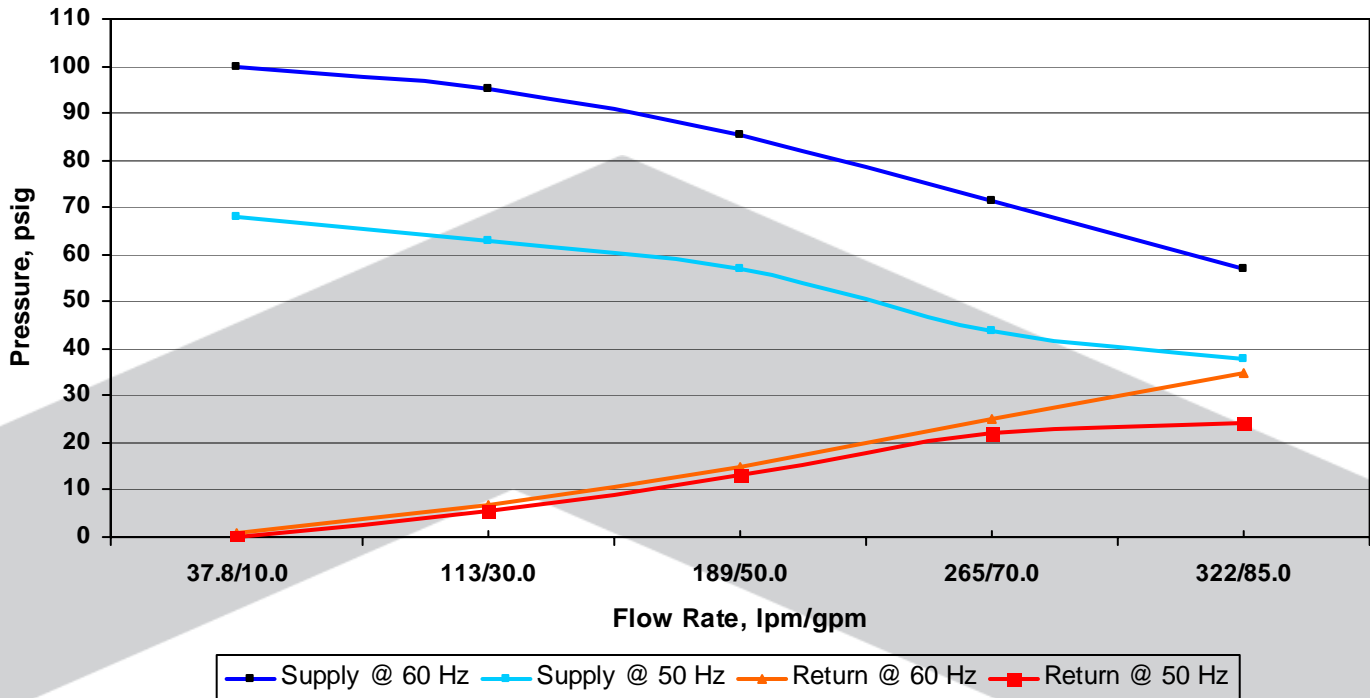
[www.lydallaffinity.com](http://www.lydallaffinity.com)

## System Performance Characteristics

Model Nomenclature	CWA-300L-MP15CBD4
CE Marked	Yes
MET Listed	Yes
Weight	1,995 lbs
Dimensions	60.3"L x 31.3"W x 45"H
Ambient Temperature Range	41° F - 104° F (5° C - 40° C)
Process Temperature Range	39° F - 86° F (4° C - 30° C)
Heat Dissipation	To facility water (water-cooled)
Electrical Configuration:	
Voltage @ 60 Hz	460 y Power Service (277 Volts max to ground)
Voltage @ 50 Hz	380 y Power Service (277 Volts max to ground)
Phase	3
Total Amps @ 60 Hz	64.9
Total Amps @ 50 Hz	63.8
Maximum Fuse Disconnect	125

## Pump Performance

Coolant pressure versus flow rate



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Lydall Industrial Thermal Solutions, Inc.

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