

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.

Dual Channel Chiller

Ideal for applications where two independently temperature controlled process loops are required in a minimum footprint. Synthetic fluid compatible with the quickest temperature ramp to process set-point capability, to get you from start-up to wafer processing fast!

System Features

- Dual independent controlled process loops
- Industry leading size vs capacity
- Process heater per loop for process temperature requirements above ambient
- Modular design and construction
- Designed to support multiple etch process tool requirements
- Communications options include Device Net; LON Works, RS232/485
- Compatible with multiple process fluids including DI, synthetic and water/glycol

Customer Benefits

- Precious clean room space requirements are significantly reduced
- Significant CoO savings via the reduction of fab space required to accommodate the chiller
- Extended temperature range reduces temperature ramp to set point time
- Improved system availability via reduced PM requirements and shorter maintenance cycles
- Communications options allow smooth replacement of OEM chillers
- Multiple process fluid capability supports all customer process requirements



Now you have a choice.

www.lydallaffinity.com

Dual Channel Chiller

System Performance Characteristics

Model Nomenclature	DWG-062K-MP37CBD2
Part #	31930
Met Listed	Yes
CE Marked	Yes
Semi S2 Compliant	Yes
Cooling Capacity	500 watts @ -40° C each channel (1000 watts Total)
Process Temperature Range	-45°C to +60°C
Process Fluid – Standard	Galden HT110
Process Fluid – Optional	HFE, Fluorinert, Glycol HT
Process Flow and Pressure	4.5 gpm @ 110 psi; 165 psi max (each channel)
Process Temperature Stability	+/- .5°C
In-Line Process Heater	500 watts (each channel)
Heat Dissipation	Water Cooled
Facility Water Requirements	<= 8 gpm @ 13.8° C
Facility Water Connections	½" Swagelock
Ambient Temperature Range	5° C - 40° C
Dimensions	40"L X 20"W X 53"H
Weight	900 lbs
Voltage – Standard	208 - 230 Volt, 3 Phase, 60 Hz 200 – 220 Volt, 3Phase, 50 Hz
Total Amperage – Standard	77.8 amps
Maximum Fuse Disconnect – Standard	80 amps
Communication - Standard	Analog, RS 485, RS 232
Communication - Options	GPIB, CHX, Labview, DeviceNet, LON Works



Now you have a choice.

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Germany: 49-8709-926-10

Texas: 1-512-442-2832

Singapore: 65-6841-6283

California: 1-510- 249-9100

Taiwan: 886-3-578-1585

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