A Thermoelectric Temperature Control System *w/full control touch screen* for the Etch, CVD and PVD process of semiconductor wafer factory helping with the accurate temperature control of the process chamber of Etch or CVD or PVD systems.

Specification:

Process Circulating Liquid	Fluorinert (FC-3283 3M)
Pump	0.08 kw Magnetically Coupled Pump
Coolant Flow	4 GPM @30psi
Tank	1.5L
Interface Type	RS485C, 232C, Analog DIO, LonWorks, DeviceNet
Rate Current	15A
Rated Voltage	3-phase AC208V±10% 50/60Hz 15A
Dimension	Chiller: H492mm x D460mm x W145mm
	2RU Controller: H125mm x D564mm x W433mm
Weight	Chiller: 25KG ; Controller: 20KG

Advantages:

- Smaller footprint, saving more space.
- No noise.
- Fast temperature response.
- Lower energy consumption. (Energy saving is approx. 80% compared to compressor base chiller)
- Environmentally friendly. (No Freon)
- High reliability. MTBF > 5 years

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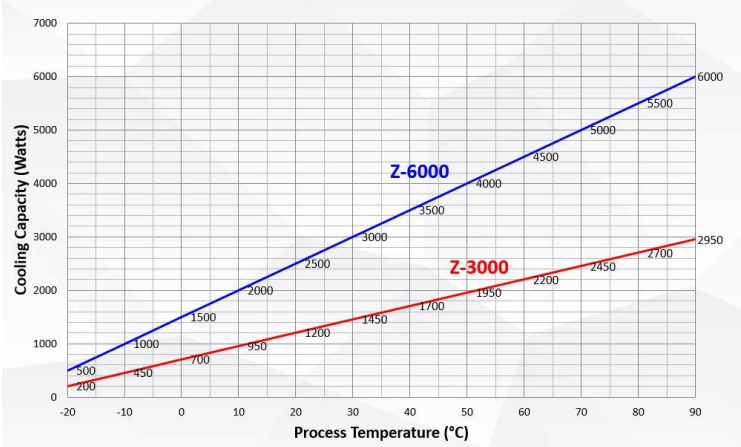
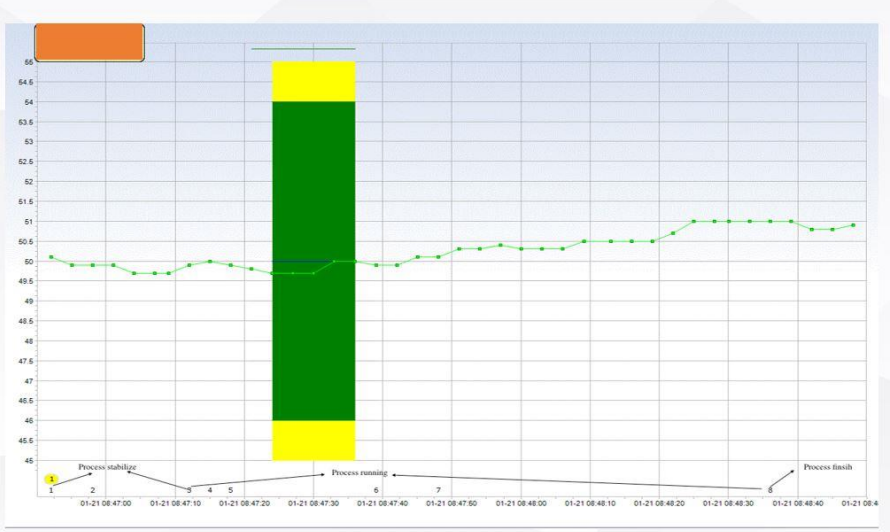
Cooling Capacity vs. Process Temp.



Specification

Model		Z-3000	Z-6000	Z-6000P
Temp. Control	Range	-20℃~+90℃	-20℃~+90℃	-20℃~+90℃
	Accuracy (Idle)	±0.1℃	±0.1℃	±0.1℃
	Accuracy (Running)	±1 ℃	±1 ℃	±1 ℃
	Model	PID	PID	PID
Compressor		NA	NA	NA
Refrigerant		Fluorinet (FC-3283 3M)	Fluorinet (FC-3283 3M)	Fluorinet (FC-3283 3M)
Cooling Capacity		1200W@20℃	2400W@20℃	3000W@20℃
Pump		0.08 kw Magnetically-coupled pump	0.08 kw Magnetically-coupled pump	0.08 kw Magnetically-coupled pump
Coolant Flow		4GPM@30psi	4GPM@30psi	5GPM@30psi
Tank		1.5L	3L	3L
Interface Type		RS485/232, Analog DI/O, LonWorks, Device net	RS485/232, Analog DI/O, LonWorks, Device net	RS485/232, Analog DI/O, LonWorks, Device net
Power Consumption		30A	30A	30A
Power Supply		3-phase, AC208V±10%, 50/60Hz	3-phase, AC208V±10%, 50/60Hz	3-phase, AC208V±10%, 50/60Hz
Dimensions		Chiller: H492mm x D460mm x W145mm	Chiller: H492mm x D460mm x W230mm	Chiller: H492mm x D460mm x W230mm
		Controller: H125mm x D564mm x W433mm	Controller: H125mm x D564mm x W433mm	Controller: H125mm x D564mm x W433mm
Weight		Chiller: 25KG	Chiller: 30KG	Chiller: 30KG
		Controller: 20KG	Controller: 25KG	Controller: 25KG

Temp control Accuracy in whole etching process



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