

ZMO-500/600 MOCVD Bath



This ZMO500/600 set of products are mainly used for MOCVD processing equipment, which is used for accurate single temperature control of the Gases stored in the Bubblers. Custom sizes are available for quantity buys.

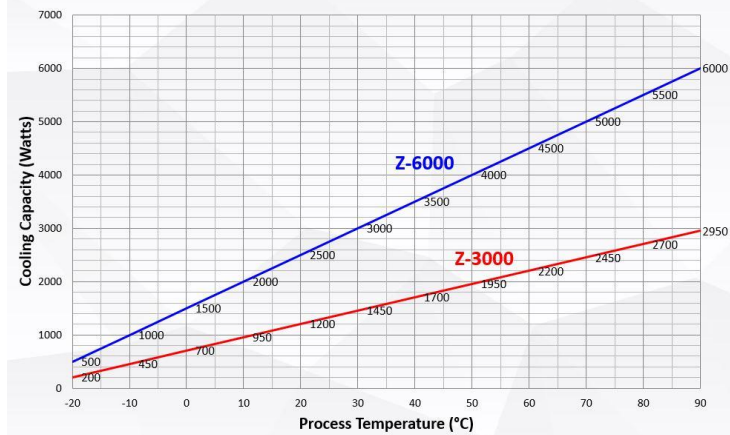
Specification:

Process Circulating Liquid	Distilled Water ; Glycol/Water Mixture
Pump	Centrifugal Pump
Temperature Range	-5°C to 60°C +/- 0.1°C
Tank	34L / 78L
Interface Type	RS485C, 232C, Analog
Cooling/Heating Capacity	ZMO-500: 320W@20°C/500W@20°C ZMO-600: 500W@20°C/750W@20°C
Rated Voltage	Single-Phase AC120/208V±10% 50/60Hz 5/2.5A
Dimension	ZMO-500: H 55.9 cm x D 30.5 cm x W 35.6 cm
	ZMO-600: H 55.9 cm x D 30.5 cm x W 80.0 cm
Weight	ZMO-500: 30Kg ; ZMO-600: 50Kg

Advantages:

- Level Alarms Provided
- Lower energy consumption. (Energy saving is approx. 50% compared to compressor base MOCVD)
- Environmentally friendly. (No Freon)
- High reliability. MTBF > 5 years; ISO 9000

Cooling Capacity vs. Process Temp.



Specification

Model	Z-3000	Z-6000	Z-6000P
Temp. Control	Range	-20°C~+90°C	-20°C~+90°C
	Accuracy (Idle)	±0.1°C	±0.1°C
	Accuracy (Running)	±1 °C	±1 °C
	Model	PID	PID
Compressor	NA	NA	NA
Refrigerant	Fluorinet (FC-3283 3M)	Fluorinet (FC-3283 3M)	Fluorinet (FC-3283 3M)
Cooling Capacity	1200W@20 °C	2400W@20 °C	3000W@20 °C
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

