

光電·半導體·太陽能設備專用冷卻機

WATER CHILLER FOR OPTOELECTRONICS, SEMICONDUCTOR AND SOLAR ENERGY INDUSTRIES



適用機械種類

- 高精度雷射焊接機
- 高科技產業薄膜製程冷卻專用
- 各種光電、半導體及太陽能產業設備製程中的冷卻
- 需求高純度水質、高阻抗、去陰離子水的高科技產業設備專用冷卻

特性及功能

- 特殊PID溫度控制器，可使溫度保持 $\pm 0.2^{\circ}\text{C}$ 。
- 使用高壓泵浦及迴路洩壓保護系統。
- 使用SUS 304 / 316板式熱交換器可提升熱交換率，維持水質純淨，不會產生鏽蝕導致迴路阻塞故障。
- 所使用之離子交換樹脂專用於半導體之DI水，可將水質導電阻抗質保持在 $10\text{M}\Omega$ 以上。
- 採用新型高效率環保冷媒，不污染環境。

APPLICATION

- High-precision laser welding machine
- Cooling for hi-tech industries of thin film processing
- Optoelectronics, semiconductor and solar energy industry
- Hi-Tech industries with pure water, high resistance and deionized (DI) water requirement.

FEATURE

- It is used PID thermostat to maintain temperature precision at $\pm 0.2^{\circ}\text{C}$.
- It is used high-pressure pump and protection system of circuit pressure relief.
- SUS 304/316 plate type heat exchanger is used to improve heat exchange rate. It could maintain water in pure, and prevent clogging or breakdown from rust.
- Ion Exchange Resin is special using for DI water of semiconductor, and DI water conductivity impedance value can be maintained at $10\text{M}\Omega$ or more.
- Filling high-efficiency environmental refrigerant, without pollution.

規格表 CS SERIES SPECIFICATION

型式 Model		CS-01	CS-04	CS-06	CS-08	CS-12	CS-24	CS-36	CS-60	CS-90	CS-120
冷卻能力Cooling capacity	BTU/HR 50/60Hz	800/1000	3200/4000	4800/6000	6400/8000	9600/12000	19200/24000	28800/36000	48000/60000	72000/90000	96000/120000
	KCAL/HR 50/60Hz	200/250	800/1000	1200/1500	1600/2000	2400/3000	4800/6000	7200/9000	12000/15000	18000/22500	24000/30000
	W 50/60Hz	235/295	940/1175	1425/1760	1875/2345	2815/3520	5630/7040	8445/10555	14075/17575	21115/26390	28150/35190
使用範圍 Operative range	室溫 Room temperature	5°C~45°C									
	液溫 Liquid temperature	5°C~45°C									
設定範圍 Setting range	差溫控制 Differential temperature controller	- 9.9°C ~ 9.9°C									
	定溫控制 Constant temperature controller	20°C~40°C									
電源 Power source	V	3Ø AC220V 50/60Hz									
總負荷電流 Total load current	A	2	7	8	8	8	10	18	25	38	44
泵浦馬力 Pump horsepower	W	60/80	450/560	450/560	450/560	450/560	530/750	700/1060	700/1060	1080/1620	1080/1620
泵浦吐出量 Pump discharge rate	l/min	16/20	16/20	16/20	16/20	24/30	24/30	40/50	40/50	72/90	80/100
水箱 Water tank	liter	10	14	26	26	26	52	65	94	133	133
進出口管徑 Inlet and outlet pipe-diameter	inch	1/2" x 1/2"	1/2" x 1/2"	3/4"x3/4"	3/4"x3/4"	1"x1"	1"x1"	1"x1"	1-1/4"x1-1/4"	1-1/4"x1-1/4"	1-1/2"x1-1/2"
外型尺寸 Dimension (D x W x H)	mm	366x444x569	407x524x961	487x554x1092			487x654x1389	736x767x1552	911x942x1654	1350x1020x1788	1650x1100x1784
總重量 Weight	kg	42	80	95	95	97	144	210	300	389	430
冷媒 Refrigerant	gas	R134a/R407C									

* 能力測試數據標準點(進口溫度25°C、環境溫度35°C、60Hz)(參考值)

* 特殊規格設計及其他電壓需求請與我司聯絡

* 本公司因技術需求或升級有隨時更改內容、文字、產品規格之權利，變更恕不另行通知

* Standards of capability test data: Inlet temperature: 25°C, Ambient temperature: 35°C, 60HZ. (F.Y.R)

* If you have special specifications or need of other Voltage, please contact us.

* If our company has technical or upgrade requirements, we reserve right to change contents, words, and product specifications without further notice.