



PARTNER
FOR THE EXPERTS

ae *Temperature Control Unit* SERIES

OVERSEA TECHNOLOGICAL LOOPERATION PRECISION



Great precision in even heating of the mold means having the production quality in control. Constant temperature in the mold provides precise and accord of the products. Pulian's Temperature controller AE series provides our clients with precise required temperature with a low tolerance of $\pm 0.5^{\circ}\text{C}$, fine divisions in analysis on every part of the mold. The user friendly design on the control panel faceplate relieves the perplexity of the user. AE series is the key for the client to outstand others.

ae
SERIES

CREATE PRACTICAL VALUE WITH MECHANICAL AESTHETICS

ae Temperature Control Unit SERIES

精確控制模具內部的均熱性，就等於控制了產品的良率。因為模具內部的恆溫，才能使每個產品的尺寸精密一致性。普聯模溫控制AE系列精確提供客戶所需的溫度，誤差值 $\pm 0.5^{\circ}\text{C}$ ，細微分割溫度散佈在模具的每一處，一目了然的面板設計，解除使用者的困擾，AE系列正是客戶致勝的關鍵機器。

Characteristics

- (1) Direct Switch on function: After open the power, the pipe is drained the air before electrothermal on.
- (2) Oil box no heat design: oil is heating in the pipe, no in the oil box. Advantage for long life cycle. No generated oil gas interface.
- (3) Temperature warning alarm: When actual temperature setting has a deviation of $2^{\circ}\text{C} \sim 4^{\circ}\text{C}$ (Deviation range can be set to automatic), it will trigger the signal lighting and the warning alarm.
- (4) Compulsory temperature reduction: Press this button before shutting down will result a compulsory temperature reduction of the water (oil).
- (5) Auto draining system: Press the button of drain water/oil before changing the mold. Make use of the AIR to drain out the residual water (oil) totally, for a clean mold.
- (6) Control panel is separated: The control panel is separated from the machine to achieve an efficient insulation and to prolong the life span of the electronic components.
- (7) Auto exhaust air function: This function is to exhaust gasified water (oil) for precision and prevent the malfunction of motor.
- (8) Adopting the Japan "OMRON" P.I.D. automated-micro-processing temperature controller. Precise and stable, having an accuracy of $\pm 0.5^{\circ}\text{C}$ off scale.
- (9) High-class parts: Circuit Breaker (MERLIN GERIN), Arc contact (TELEMECANIQUE), electro magnetic valve (O.D.E), temperature controller (YAMATAKE), relay (OMRON)
- (10) Easy to operate by Humanize panel and enclosed the draft for reference.



特點

- (1) 直接開機功能：電源啟動後，會先排除管內空氣，再啟動電熱。
- (2) 油箱不加熱設計：管路中的油加熱，油箱中的油不加熱，可延長油的壽命，且不產生油氣。
- (3) 溫度偏差警告：實際溫度與設定溫度有偏差 2°C ~ 4°C 時(偏差值可自動設定)，會自動警報與燈示。
- (4) 強制冷卻系統：停機前按此按鍵，熱水、油會強制降溫。
- (5) 自動排水、油功能：更換模具前按下此鍵，可藉由AIR將模具內之殘留水或油全部排出，乾淨模具。
- (6) 電控箱與機身分離：隔熱效果佳，延長電器壽命。
- (7) 自動排氣功能：自動將管內的水氣或油氣排除，提高溫度精密，降低馬達故障。
- (8) 採用日本製“YAMATAKE” P.I.D微電腦自動演算型溫控器，精確穩定，誤差值 $\pm 0.5^{\circ}\text{C}$ 以內。
- (9) 高級零件：無熔絲斷路器：法國“特力美”(MERLIN GERIN)、電磁接觸器：法國“TE”(TELEMEACIQUE)、電磁閥：義大利“O.D.E”、溫控器：日本“YAMATAKE”、繼電器：日本“OMRON”...等。
- (10) 人性化操作面板，並附簡圖輔助，讓操作者一目了然。



SPECIFICATIONS-WATER RECYCLE TYPE 水式模溫機規格表

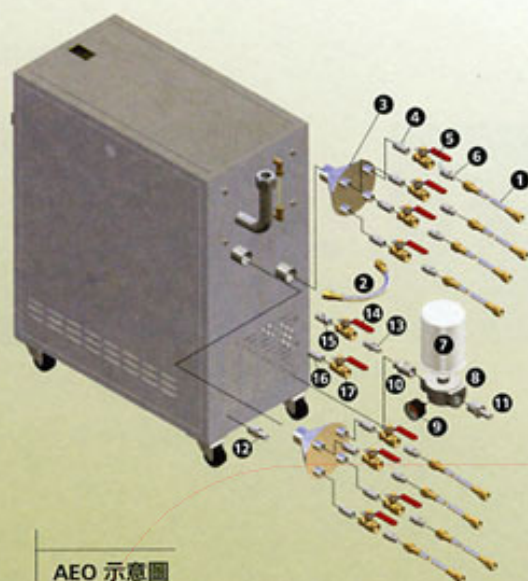
MODEL	機型	AEW-1		AEW-2	
POWER SUPPLY	電源	AC220V~440V 50/60HZ			
MAX. OPERATING TEMP.	最高工作溫度	120℃			
MINI. OPERATING TEMP.	最低工作溫度	SUPPLY WATER TEMP.+3~10℃ 爐燒水溫度+3~10℃			
MEDIUM	傳熱媒體	WATER水			
HEATING CAPACITY	加熱熱量	9 kW			
COOLING CAPACITY	冷卻熱量	5400 Kcal/H			
COOLING METHOD	冷卻方式	DIRECT COOLING直接冷卻			
ACCURACY OF TEMP. CONTROL	溫控誤差值	±0.5℃			
PUMP POWER	泵浦馬力	1HP		2HP	
PUMP MAX. FLOW. PRESSURE	泵浦流量、壓力	50HZ	130L/min 2.2kg/cm ²		145L/min 3.0kg/cm ²
		60HZ	160L/min 2.7kg/cm ²		180L/min 3.6kg/cm ²
MAX. POWER CONSUMPTION	最大用電	9.75kW		9.75kW	
WATER SUPPLY PRESSURE	外接冷卻水壓力	2kg			
COOLING WATER PIPE	冷卻水配管	1/2" PT			
HEAT OIL PIPE	溫控配管	1in 1out - 1" PT 1進1出- 1" PT			
DIMENSIONS LxWxH	機器尺寸	650 x 300x 530 mm			
WEIGHT	機器重量	46kg		50kg	

DESIGN AND PRODUCTION ARE AVAILABLE FOR SPECIAL SPECIFICATIONS. 140°C or 180°C 特殊規格均可設計承製。140°C或180°C

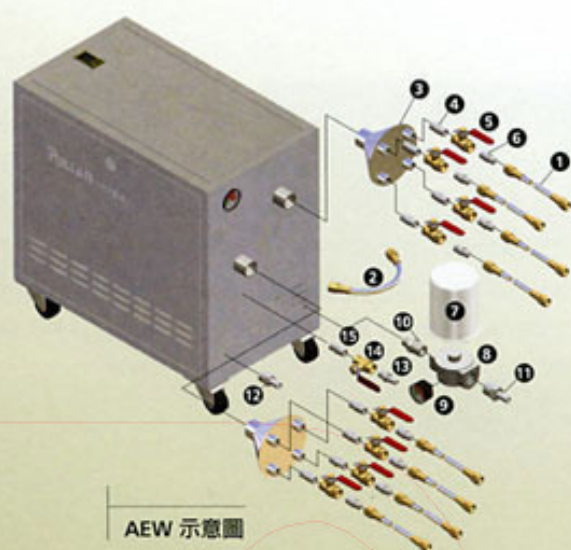


SPECIFICATIONS-OIL RECYCLE TYPE 油式模溫機規格表				
MODEL	機型	AEO-1		AEO-2
POWER SUPPLY	電源	AC220V~440V 50/60HZ		
MAX. OPERATING TEMP.	最高工作溫度	200°C		
MINI. OPERATING TEMP.	最低工作溫度	SUPPLY OIL TEMP. +50°C 進油溫度+50°C		
MEDIUM	傳熱媒體	OIL 油		
HEATING CAPACITY	加熱熱量	9 kW		
COOLING CAPACITY	冷卻熱量	9000 Kcal/H/200°C		
COOLING METHOD	冷卻方式	INDIRECT COOLING 間接冷卻		
ACCURACY OF TEMP. CONTROL	溫控誤差值	±0.5°C		
PUMP POWER	泵浦馬力	1HP		2HP
PUMP MAX. FLOW. PRESSURE	泵浦流量、壓力	50HZ	48L/min 2.6kg/cm ²	68L/min 4.3kg/cm ²
		60HZ	60L/min 3.2kg/cm ²	85L/min 5.4kg/cm ²
MAX. POWER CONSUMPTION	最大用電	10kW		10.5kW
WATER SUPPLY PRESSURE	外接冷卻水壓力	1kg above		
COOLING WATER PIPE	冷卻水配管	1/2" PT		
HEAT OIL PIPE	溫控配管	1in 1out-1" PT 1進1出-1" PT		
DRAIN OIL PIPE	排油配管	3/8" PT		
OIL TANK CAPACITY	油槽容量	7L		
DIMENSIONS LxWxH	機器尺寸	700 x 300x 750 mm		
WEIGHT	機器重量	70kg		75kg

DESIGN AND PRODUCTION ARE AVAILABLE FOR SPECIAL SPECIFICATIONS. 300°C or 350°C 特殊規格均可設計承製 + 300°C或350°C



AEO 示意圖



AEW 示意圖

(1) High-pressure hose	高壓管	PF3/8" x L2500mm
(2) High-pressure hose	高壓管	PF3/8" x L500mm
(3) Branch pipe	分流器	PF1" → PF3/8"
(4) Coupler	連結接頭	PT3/8" → PT3/8"
(5) Ball valve	球閥	PF3/8" → PF3/8"
(6) Coupler	入水管接頭	PT3/8" → PF3/8"
(7) Water strainer	濾水器	Φ93 x H135
(8) Water strainer base	濾水器座	PF3/4"
(9) Pressure gauge manometer	壓力錶	6kg/cm ²
(10) Coupler	連結接頭	PT3/4" → PT1/2"
(11) Coupler	濾水器入水接頭	PT3/4" → 1/2"
(12) Water out coupler	出水接頭	PT1/2" → 1/2"
(13) Air in coupler	進氣接頭	PT3/8"
(14) Air in valve	進氣球閥	PF3/8" → PF3/8"
(15) Air in coupler	進氣接頭	PT3/8" → PT3/8"
(16) Effusion coupler	溢出口接頭	PT3/8" → PT3/8"
(17) Effusion ball valve	溢出口球閥	PF3/8" → PF3/8"



外購全配備零件



最新產品相關資料，請連結至普聯公司網站查詢。

For updated information, please visit Pulian's website at URL <http://www.pulian.com.tw>