



Mold Temperature Controller (Oil Type)

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1. Mold Temperature Controller (Oil Type) Introduction

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2.Mold Temperature Controller (Oil Type) Parameter (Specifications)

Heating Type	Oil Type						
	Single Unit			Two-in-One Unit			
Model	AMTC-6-O	AMTC-9-O	AMTC-12-O	AMTC-6-OD	AMTC-9-OD	AMTC-12-OD	
Maximum Temp.	200℃			200℃			
Cooling Method	Indirect Cooling						
Heater Power	KW	6	9	12	6x2pcs	9x2pcs	12x2pcs
Pump Power	KW	0.37	0.75	1.5	0.37x2pcs	0.75x2pcs	1.5x2pcs
Max. Flowrate	L/min	35	60	90	35x2	60x2	90x2
Max. Pressure	Bar	3	4.5	4.5	3	4.5	4.5
Connector Size	Inch	3/8"(2x2)	3/8"(2x2)	3/8"(4x2)	3/8"(4x2)	3/8"(4x2)	3/8"(8x2)
Weight	kg	60	70	90	100	120	150

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L	mm	900	900	1000	1000	1000	1150
W	mm	315	315	350	370	370	450
H	mm	700	700	800	800	800	900

Please excuse for not note if some specifications of products are changed.

Note:

- 1) "O" means oil type single unit; "OD" means oil type double units (2-in-1 type).
- 2) The standard power supply is 3Ø 380V 50Hz. Other power supply is available.

3. Mold Temperature Controller (Oil Type) Features & Application

Oil type mold temperature controller, which is mainly used in the temperature control industry of injection molds. In a broad sense, the mold temperature controller should be called the mold temperature controller. The mold temperature controller includes two aspects of temperature control: heating and freezing. Let's talk about the advantages of the mold temperature machine.

1) Speed up production

The mold temperature controller uses the cooling water pipe inside the mold to heat the mold. The high use temperature of the mold temperature controller can reach maximum 200°C, and it can quickly heat up the mold to reach the temperature required for production. The current heating method takes about 2 hours, while heating with a mold temperature machine is about 0.5 hours.

2) reduce the production of defective products

The mold temperature controller has a special temperature adjustment system, which can make the mold reach a constant temperature environment under normal use, which is beneficial to reduce the production of defective products. After using the mold temperature machine, the mold is hardly affected by the external temperature environment. Keeping pressure and cooling at a constant temperature will result in high parts quality consistency, low residual stress after demolding, and small part deformation.

3) Reduce energy consumption and save resources

The mold temperature controller uses a cooling system to heat the mold, so there is no waste generated, so a large amount of raw materials can be saved. Since there is no need for waste recycling, selection, crushing, dyeing and other processes, it saves labor, time, energy and consumption.

4) The heating is uniform and soft, the temperature adjustment adopts PID self-tuning intelligent control, the highest temperature control is 200°C, and the temperature control accuracy is high $\pm 1^\circ\text{C}$, which can meet the strict requirements of high process standards.

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4. Notifications

- 1) When the heat transfer oil temperature is greater than 80°C, it must be isolated from the air, otherwise the heat transfer oil will be rapidly oxidized and deteriorated.
- 2) The heat transfer oil is flammable, and effective fire-fighting measures should be provided.
- 3) The heat transfer oil must be dehydrated before use to avoid overpressure and explosion of the equipment.
- 4) Different heat-conducting oils should not be mixed. When mixed use is required, the heat-conducting oil production unit shall provide the conditions and requirements for the mixed use.
- 5) The residual carbon, acidity, viscosity, and flash point of the heat transfer oil in use should be analyzed every year. When two analyses are unqualified or the content of decomposed components exceeds the specified value, the heat transfer oil should be replaced or regenerated .
- 6) The maximum operating temperature of the selected heat transfer oil should be able to meet the requirements of process performance.

5. Mold Temperature Controller (Oil Type) Qualification

Aumax Plast has been focusing on R&D and manufacturing of plastic recycling machine and auxiliary equipment for injection molding machine, blowing molding machine and plastic extrusion line for more than 15years.

We have obtained various domestic and foreign certifications such as ISO9001, ISO14001, CE, etc., which fully demonstrates that our products fully comply with international standards and the quality of products is guaranteed.



6. Delivery, Shipping and Serving

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Normally, the delivery time of our plastic machines is 10-20 days after order confirmed and advance payment. The oil type mold temperature controller machines are packed in plywood cases. Usually, we ship large machines by LCL or FCL ocean shipping. Sometimes, customers need machine urgently, we ship machine by air or express.



7. FAQ

1. Q: What is the MOQ?

A: The MOQ is 1 set for all products..

2. Q: Where is the loading port?

A: The nearest port to our factory is port of Ningbo, China, as well as we can send machine to Yiwu, Shanghai, Guangdong or any other cities in China.

3. Q: What are the payment terms?

A: The preferential payment term is T/T, while other payment terms are negotiable.

4. Q: What are your terms of delivery?

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A: We accept FOB, CFR, CIF, EXW, and DDU. You can choose the terms which is the most convenient and cost effective to you.

5. Q: How does your factory carry out quality control?

A: Powerful R&D teams and professional QC department take care of every detail during design, processing, assembling, testing and packing.

6. Q: Can you supply OEM and customized products?

A: Yes, we can supply OEM / ODM service. Our engineers have rich experience in design and production of plastic auxiliary equipment. We can supply special products according to your ideas and drawings.

7. Q: What about warranty terms?

A: We provide one year warranty for all of our products. During warranty period, if any machine parts damaged due to quality, we will send the new parts by courier immediately by free of charge. Also, we supply 24 hours online service and technical support.

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