

# USER MANUAL



# CW-3000

THERMOLYSIS WATER-COOLED CHILLER

USER MANUAL



Thank you for using the machine from Our company  
Please read the installation instruction carefully before  
installing and operating and keep it properly.

This installation instructions is not a quality assurance.  
Our company reseves the right to the nterprten of coretion  
of typographical errors,improper mentioned information  
and product improvement.

The amended content will be reprinted in installation in  
structions without notice in advance.

## CAUTION

It is stictly forbidden to plug and run the cooler without feeding water.

- ✦ Cooler should be placed in a well-ventilated, dry environment place and away from heat sources.
- ✦ Please keep at least 30cm from obstructions to the air outlet which is in the back of the cooler, and should leave at least 10cm between obstructions and air inlets of two sides.
- ✦ The cooling water must be drained if the cooler is out of use for long time or before being transported.
- ✦ To protect laser heating devices, the radiator fan of cooler will suspend to work when water temperature is lower (about 10°C), and it will restart to run when water temperature rises to higher (about 20°C).



# SHAPE AND PARTS NAME

## FRONT



RUNNING INDICATOR

SYSTEM ALARM INDICATOR

POWER SW

## BACK



INJECTION PORT

ALARM SIGNAL OUTPUT TERMINAL

POWER SOCKET (WITH FUSE)

OUTLET

INLET

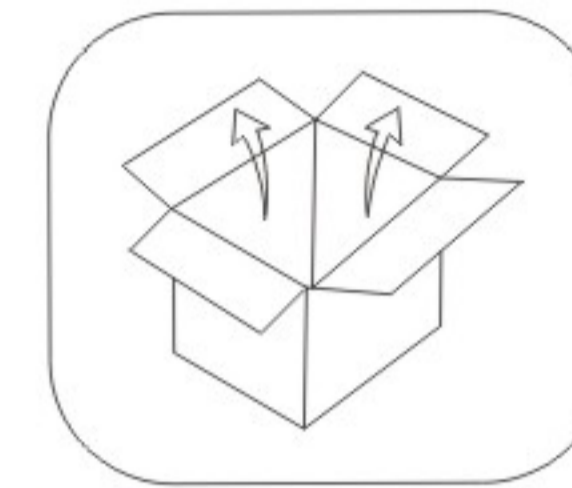
RADIATOR FAN

OUTFALL

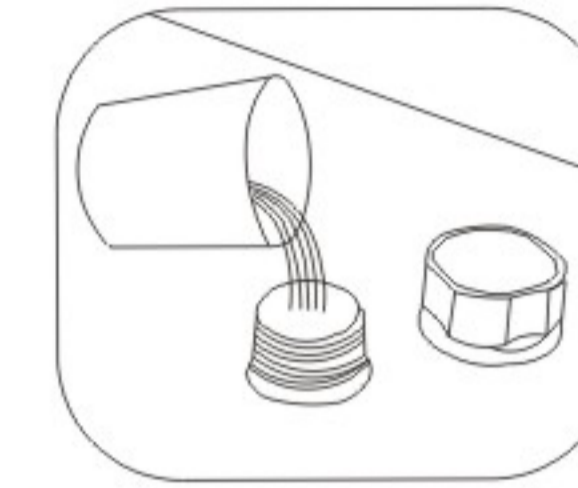
AERIAL No.

# THE FIRST INSTALLATION

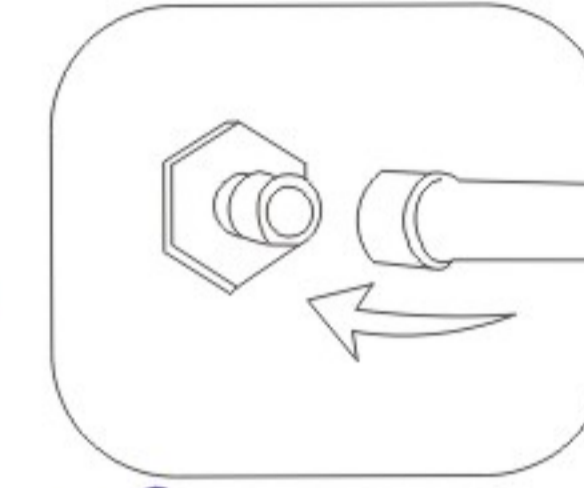
It is very simple to install this industrial cooling machine. The first time installation of the new machine can be carried out by following steps.



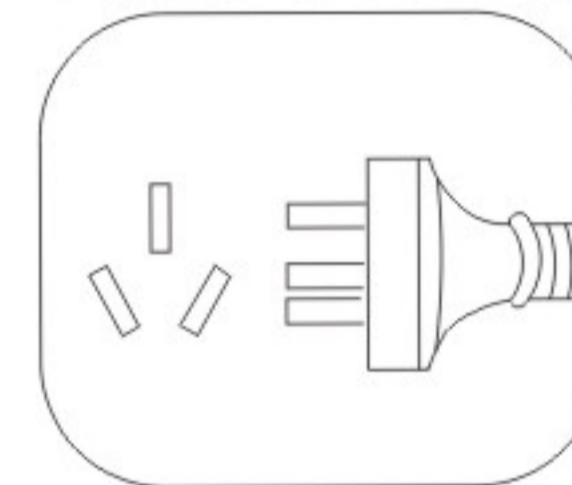
**1** Open the package to check if the machine is intact and all the necessary accessories are completed.



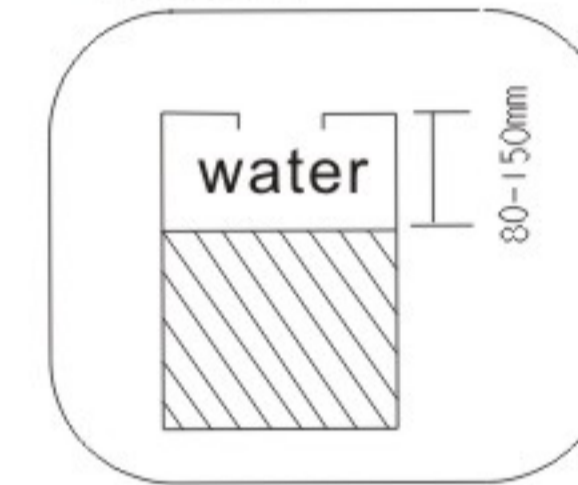
**2** Open the injection port then add cooling water. (Do not allow the water overflow)



**3** According to system conditions, connect the water inlet and outlet pipe well.



**4** Plug in power, turn on the power switch. (Do not let the water spill over)



**5** Check the water level of the water tank again. (It should be water to the injection port)

# ALARM DESCRIPTION

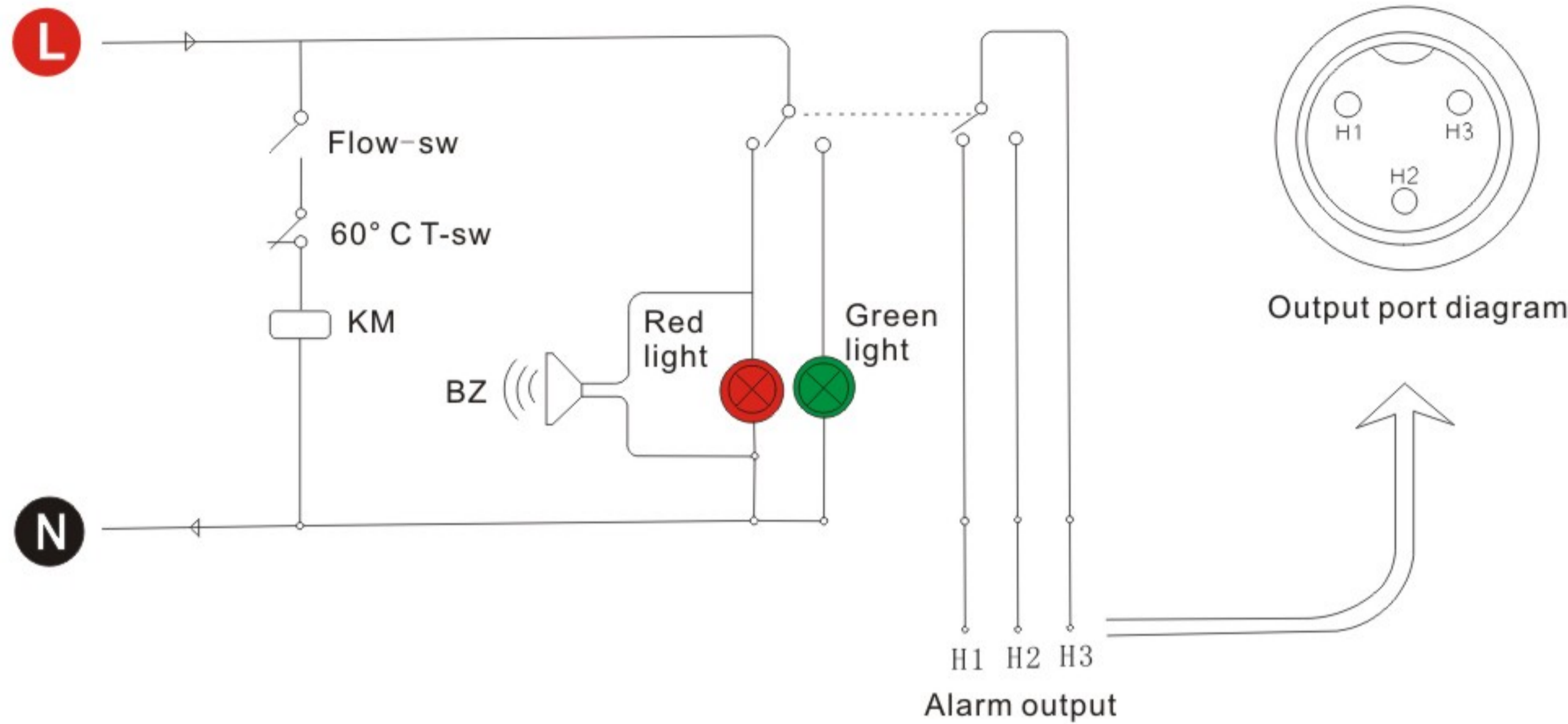
Causes of the cooling water circulation loop alarm and the working condition table

CONDITION \ DISPLAY	GREEN LIGHT	RED LIGHT	BUZZER	OUT H1, H2	OUT H1, H3
Normal	● On	⊗ Off	⊗ No voice	⊗ Off	■ On
Water stops up	⊗ Off	● On	⊗ Voice	■ On	⊗ Off
Surpasses 60° c	⊗ Off	● On	⊗ Voice	■ On	⊗ Off
Pump breakdown	⊗ Off	● On	⊗ Voice	■ On	⊗ Off
Alarm of water shortage	⊗ Off	● On	⊗ Voice	■ On	⊗ Off
Faulted circuit	⊗ Off	● On	⊗ Voice	■ On	⊗ Off
Power outage	⊗ Off	● On	⊗ Voice	■ On	⊗ Off

Note: the flow alarm port is connected to the normally open relay and normally closed relay contacts, requiring operating current to be less than 5A, working voltage less than 300v.



## ALARM CIRCUIT



## MAINTENANCE

1. To ensure good heat dissipating, please open the lid to clean the dirt after the cooler used in long-term.
2. Working in cold north area, it is better to use noncorrosive antifreeze fluid.

## SPECIFICATIONS

MODEL	CW-3000AG	CW-3000DG	CW-3000AF	CW-3000DF
Voltage	AC220-240V	AC100-120V	AC220-240V	AC100-120V
Frequency	50/60HZ			
Current	0.45A	0.9A	0.45A	0.9A
Cooling	50W/°C			
Capacity	8L			
Max.Lift	10M			
Max.Flow	10L/min			
Protection	flow alarm			
N. W	9.5kg			
G. W	11.5kg			
Dimensions	47*27*37cm(L*W*H)			
Packing dimensions	56*36*47cm(L*W*H)			

## SIMPIE TROUBLESHOOTING

FAILURE	FAULT CAUSE	APPROACH
Machine turned on but unelectrified	power cord is not plugged in place	Plug the power cord in place
	Fuse burnt-ut	Replace the fuse inside the power interface which is in the back of machine
Flow alarm(panel red light)with water pipe directly connect to the out let inlet there is water flow	Water level in water tank is too low	Feed water and check the pipe leakage
When used with the device, flow alarm (panel red light),but a direct connection with the pipe outlet and inlet,there is water flowing but mot alarming	water levei in water tank is too low	Feed water and check the pipe leakage
Ultra-high temperature	Chiller of poor ventilation	To improve the ventilation
	Excessive heat load	Reduce the heat load or to use other models
A normal boot,but the fan does notwork	The water temperature below 20°	A normal phenomenon,no processing
Switch on with alarming after adding water or changing water	Water drop in electric circuit	Natural drying or drying off cap
	Damaged transfer pumps dry	To replace or repair water pumps prohibited anhydrous boot
Slow outfall drainage	The injection port is not open	Open the injection port

## PACKING LIST

1. 1 Unit of industrial chiller
1. 1 Copy of power cord.
1. 1 Pc of power cord.
2. 2 Pcs of sealed hoop.
1. 1 Pc of alarm signal output plug.
1. 1 Pc of spare fuse.  
(Held in the spare fuseholder of power socket.)



**CAUTION:** the appliance is not to be used by childer or persons with reduced sensory or metal capabilities, or lack of experience and knowledge, unies they have been given supervision or instruction, children being supervised not to play with the appliance.