

WATER COOLER: CW-5200

USER MANUAL v2.0



Compression Refrigeration Type Industrial Chiller



CONTENTS

1. Introduction
2. Specification
3. Parts
4. Important Warning Notes
5. Installation
6. Diagnostics Table
7. Maintenance

WATER COOLER USER MANUAL

1. INTRODUCTION

The industrial circulation cooler is designed by the international advanced cooling system with the following safety features:

- Real-time temperature monitoring to keep accurate track of the working conditions.
- Automatic temperature warning alarm and cut-off system if the temperature of the water goes outside of the accepted boundaries.
- A fully enclosed, stainless steel water tank to ensure a high-quality system with long life.
- A circulating fan which cools the air around the water cooler to help control the water temperature.
- A fully automatic system which does not need any manual input or alterations.

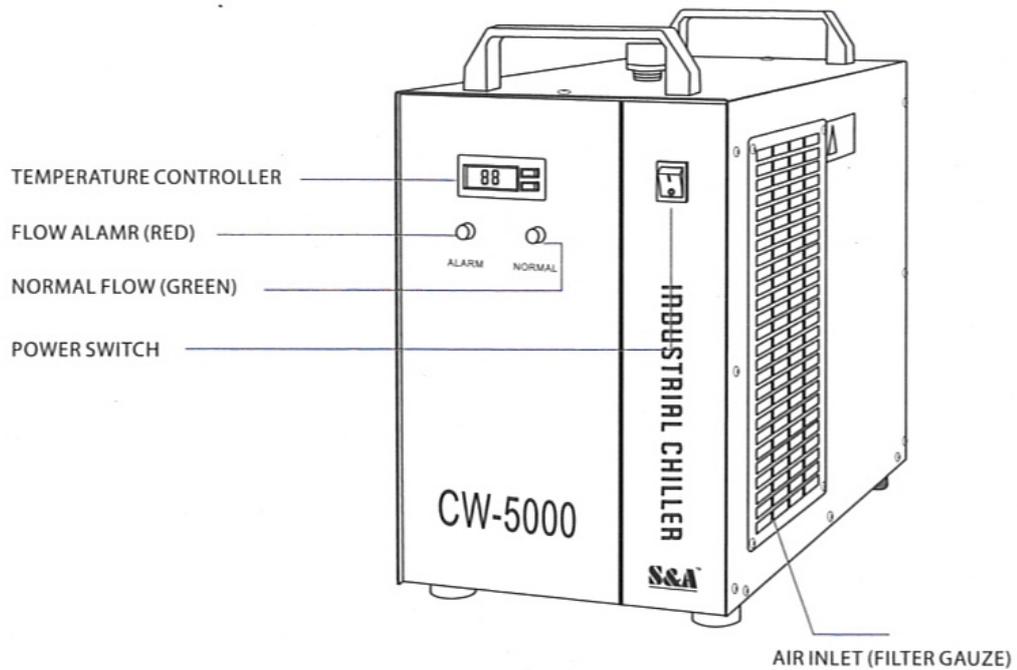
2. SPECIFICATION

Power Supply	220 V AC / 50 Hz
Power Consumption	140 VA max
Water Cooling Tank Capacity	6 L
Water Cooling Tank Material	Stainless Steel
Cooling System	Air cooling fan
Cooling Quantity	50 W / °C
Maximum Water Capacity	15 L / min
Maximum Water Pumping Lift	9 m
Diameter of input / output holes	10 mm
External Dimensions	550 * 280 * 430 mm
Weight	approx. 36 kg

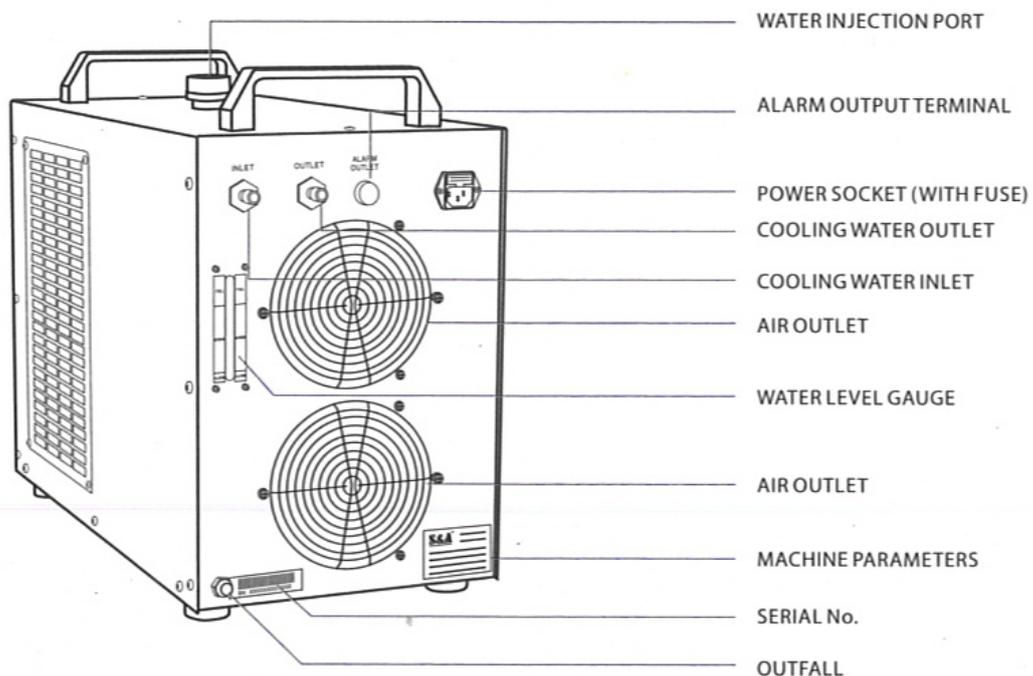
WATER COOLER USER MANUAL

3. PARTS

FRONT



BACK



WATER COOLER USER MANUAL

4. IMPORTANT WARNING NOTES

DO NOT TURN THE WATER COOLING UNIT ON IF IT IS EMPTY.

Make sure that you only use the correct type of water (distilled or pure water) in this unit.

Position the water cooling unit in a well-ventilated, dry environment that is not near other heaters.

Make sure that the fan at the back of the unit is at least 150 mm away from any other objects so that the air-flow is not obstructed.

When you are planning to not use your water cooling unit for a prolonged period of time, it must be emptied of water.

When transporting the unit, it must be emptied of water.

If the water temperature drops below 10 °C, the water cooling unit will sound an alarm and shut down. Only when the temperature raises above 20 °C will the unit continue to work. **DO NOT ALLOW THE WATER TO FREEZE.**

5. INSTALLATION

To set up your water cooling unit, complete the following steps.

1/ Remove the packaging and make sure that the water cooling unit is complete and without damage.

2/ Remove the cap on the top of the water unit and carefully pour in distilled or pure water so that the unit is three quarters full.

3/ Put the water unit into position and connect the outlet and inlet pipes.

4/ Connect the mains socket and turn on the power.

5/ Wait one minute, then check the water level in the unit. The water level should be 80-150mm from the top. If needed, top up the water level, then screw the cap back onto the top of the water cooling unit.

Your water cooling system is now fully installed.

When you need to use this unit, simply turn on the power.

If the cooler unit is an automatic version, you do not need to manually turn the power on / off as it will do this automatically.

WATER COOLER USER MANUAL

6. DIAGNOSTICS TABLE

DISPLAY CONDITION	Green Light	Red Light	Warning Buzzer	Out H1, H2	Out H1, H3
Standard	On	Off	Silent	Off	On
Water Flow Restricted	Off	On	Sound	On	Off
Temperature Exceeds 60°C	Off	On	Sound	On	Off
Pump Breakdown	Off	On	Sound	On	Off
Tank Water Level Under 50mm	Off	On	Sound	On	Off
Faulty Circuit				On	Off
No Power				On	Off

7. MAINTENANCE

You must check the water in your water cooling unit every week to make sure that the water is still in good condition. Make sure that it is not discoloured or has particles in it, as this will decrease the laser output quality dramatically.

You will need to replace the water in this unit after a few months, depending on the amount of use the water cooling unit has. If you notice that the water is discoloured or has particles in it, replace the water with fresh, pure / distilled water immediately.