

# WACO Corp.

**DIRO**

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**Parts name**

<Front side of the system>



- |                           |                            |                            |
|---------------------------|----------------------------|----------------------------|
| 1 Power Lamp              | 5 Water Level              | 9 Raw water valve          |
| 2 Water tap(spigot)       | 6 Check valve              | 10 Valve for cooling water |
| 3 Cold water Inlet/Outlet | 7 Pump                     | 11 Pressure tank           |
| 4 Cooling unit            | 8 LPS(Low Pressure Switch) | 12 Tank valve              |

**Precaution**

- \* Open the front door of the system in bottom and fill the cooling tank with the cooling water upto water level marked line once a week when it's not sufficient.
- \* Water pump is controlled for it's operation by LPS(Low Pressure Switch) which senses inlet raw water pressure and HPS(High Pressure switch) which senses water level of reservoir tank and outlet water pressure of water taps and Inlet raw water condition shall be 0.1MPa(1kg/cm<sup>2</sup>) for inlet water pressure and 15Liter/Min for inlet water flow.



**Trouble Shooting**

**1. Power failure**

- Check the proper connection of electrical plug
- Check whether Power Switch is "ON"
- Check whether the circuit breaker of control box is not "OFF"

**2. No Cold Water**

- Check water level of the cooling water in cooling tank and fill it with water upto water level marked line.
- Check the fuse of cooling system in bottom side
- Check system is too close to the wall,
- Certain components of the system cause heat so that not be too close to the wall or other structure.

**3. No water from spigots(taps)**

- Check whether raw water supply is ok
- Check whether each ball valve is closed

**4. Running water from Spigots(taps)**

- Close the ball valve upto the intake spigot(taps) and replace the failure one with the new spigot.

**5. No use for a long time**

- Turn off all switches of Control Box
- Disconnect the power plug from the power outlet
- Unscrew the upper bolt of water level tube in the front side of cooling system and drain the whole cooling water inside the cooling tank.

**Installation Methods 2**

4. After connecting to power, turn on Power and Pump switch of the Control box (Running LED-lamp remains lit.)



5. Close the both panel doors in the back of the system and fix the system(Diro) in right position firmly by tightening the fixing bolt of CASTER in bottom (Place the system 10~15cm apart from the surface of a wall)

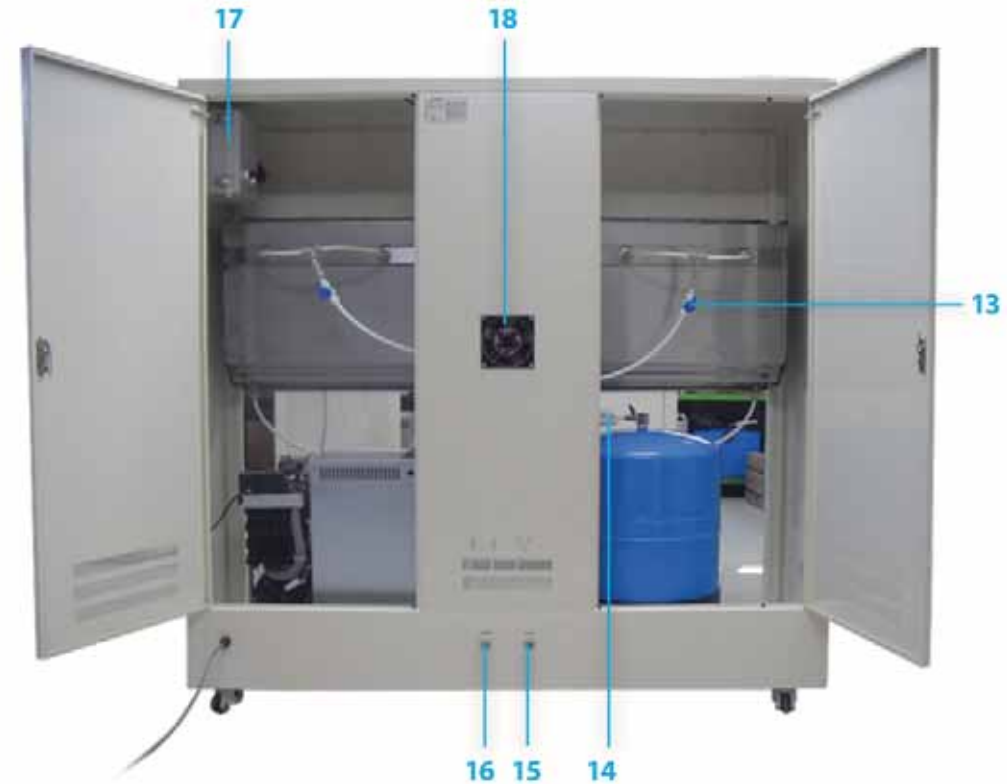


6. Drain any remain air in water pressure tank and pipes by opening water spigots(taps) alternately.



7. The system produces cold water (about 4°C ) in approximately 90minutes after the system initial installation and power on, the outlet water temperature will depend on Surrounding temperature and environment.

<Back side of the system>



- 13 Water tap valve
- 14 HPS (High Pressure Switch)
- 15 Water Inlet
- 16 Drain
- 17 Control box
- 18 Exhaust fan

## Specification

<b>Model</b>	DIRO
<b>Type</b>	Cooling system for cold water (Water tap 5pcs)
<b>Rated Voltage/Frequency</b>	Single Phase 220~240V 50Hz
<b>Power Consumption</b>	0.4kw
<b>Water tank</b>	11Gallon(40Liter)
<b>Compressor</b>	1/3HP
<b>Refrigerant</b>	R134a
<b>Dimension</b>	1,500(L) * 450(W) * 1,470(H)
<b>NW / GW</b>	138 kg / 205 kg



## Installation Methods 1

\* After the system is installed properly, it's advisable to remain with it for about 60 minutes to observe start-up.

1. Open the front door and the both panel doors in the back of the system and connect water inlet & Drain pipes located near a bottom of the system



2. After checking water inflow into the system, open the ball valve for the cooling water fill the cooling tank(refrigeratory) with water upto water level marked line and close the ball valve.



3. Open all Inlet ball valve and ball valve for water taps(spigots) and tank valve after closing the ball valve for the cooling water.

