

English Manual

Mechanical Cold Trap



Please read the manual before you operate this machine.

Serve you is our duty !

Satisfy you is our pursuit !

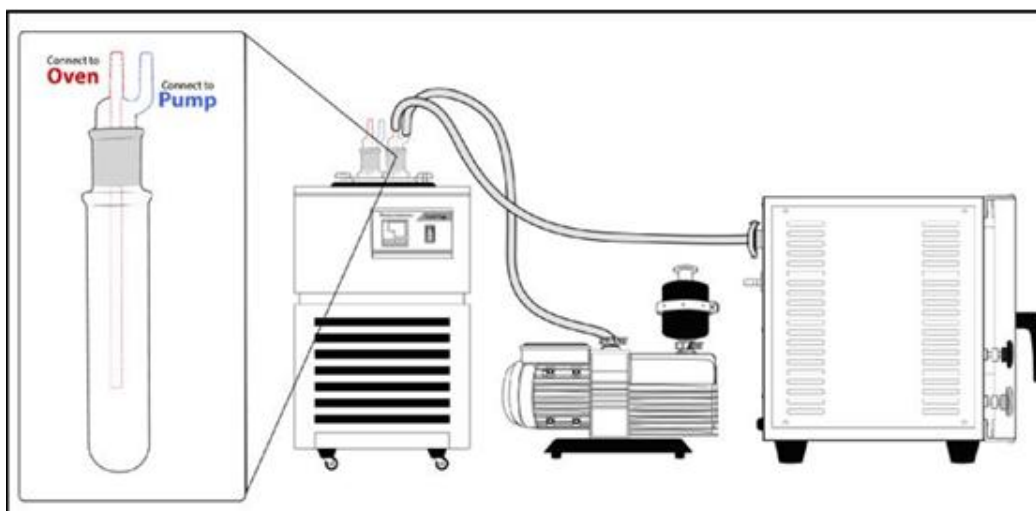
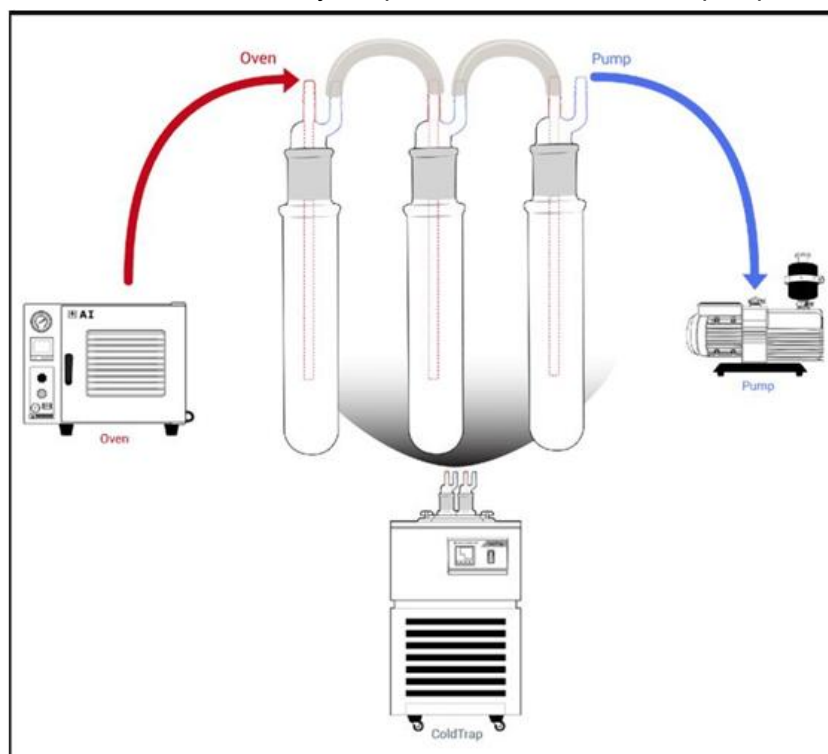
Our motto:

Credit foundation

Quality first

一. Vacuum Pump Connection:

(1): According to requirements, The Mechanical Cold Trap will be connected with the vacuum oven or the rotary evaporators and the vacuum pumps. See drawing:



(2) When the inside is stainless steel cold trap, the lower side will be connected with rotary evaporator, glass reactors and vacuum ovens, etc. the upper side will be connected with vacuum pump. (the sizes are KF25)



二. Temperature-control:

1. Push the ABB switch for getting power on

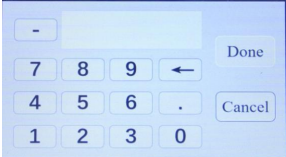


- 1) : PV Value is for measuring current value
- 2) : SV Value is for set value
- 3) : Cooling ON the machine is working
- 4) : Cooling OFF the machine is stopped
- 5) : Timing the machine can be worked in some time. If user doesn't want to set time, so H changes for 0, Min changes for 0.

Note: After Press Power Switch,then step into running state,PV window displays the current temperature ,press SET key(Any position of SV) for setting desired temperature,



(Any Position of SV) will show following:



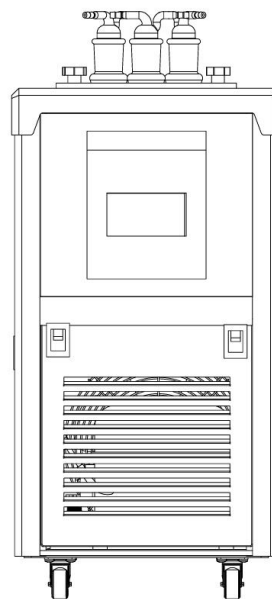
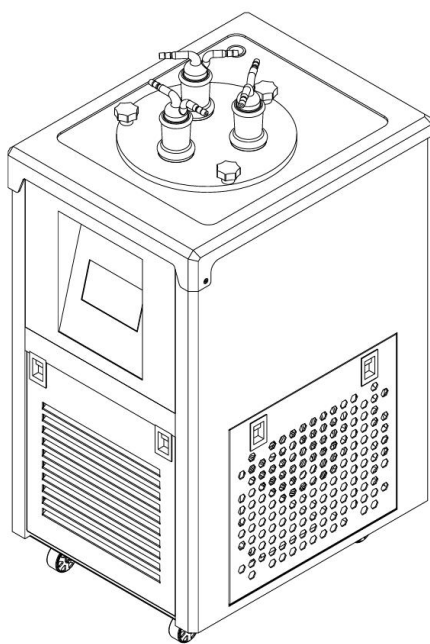
When the controller of the sensor is broken,PV upper part display window show“□ □ □ □”,When the sensor short,PV bottom display window show“□ □ □ □”,Please carefully check the sensor like the above situation , or directly replace the sensor .

PV mark and SV mark:
PV is previous value, SV is set value.

三. Technical Parameters

Technical parameters :

Basic paramet ers	Type	USA-MCT-40
	Frame material	Carbon Steel
	Voltage/frequency	110V/60Hz
	Temperature controlling	Intelligent temperature control
	Temperature display method	K type sensor digital display
	Temperature range of bath	RT to -40℃
	Temperature precision	± 1℃
	Compressor	1HP Secop
	Glass Tube	3 sets High Borosilicate Glass
Options	Explosion-proof	Ex-motor, Ex-instrument
Our laboratory glass and instruments are developed independently, we can manufacture according to customers’ demands.		



四. Packing List

Packing list

Main Machine  Or	1 set
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Glass Tube



Or

Stainless steel cold trap



3 sets

1 set

USA-MCT-40

Mechanical Cold Trap

Quality certification

product series number: _____

This product is qualified by our Q.C