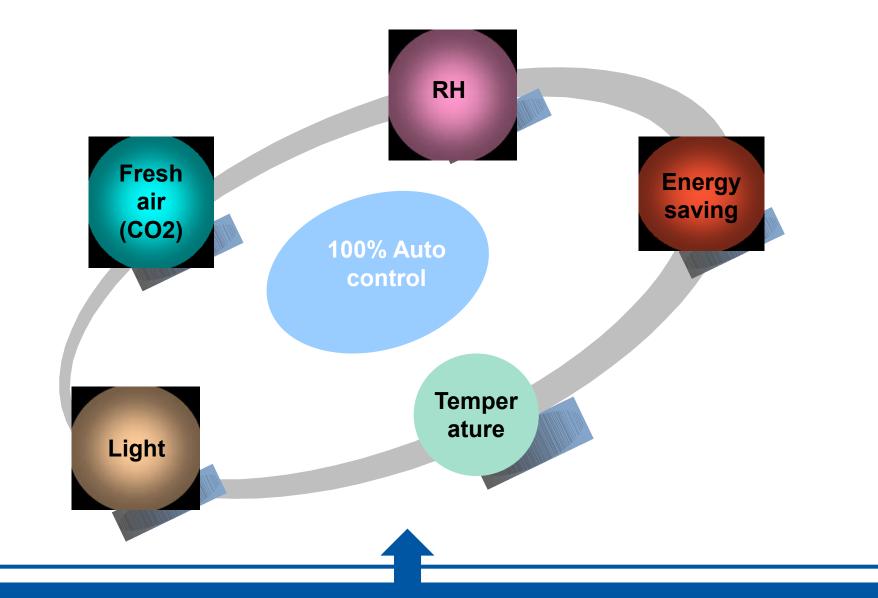
MUSHROOM CLIMATE CONTROL MACHINE ALL IN ONE UNIT





What kind of functions this machine have?



What kind of mushrooms can use this machine?



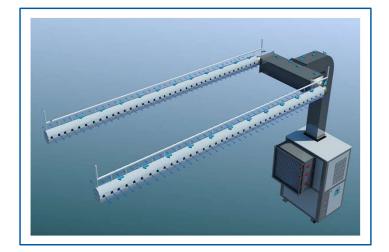
OYSTER



WHITE BUTTON



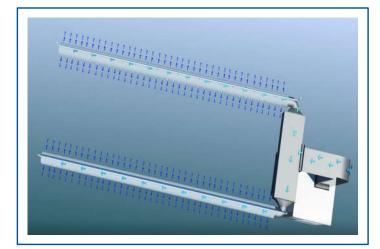




How is this machine works?

This machine is a R410A freon system unit, it don't need water system.

Main parts of this machine is compressor, condenser, Evaporator, Expansion valve and Fan.



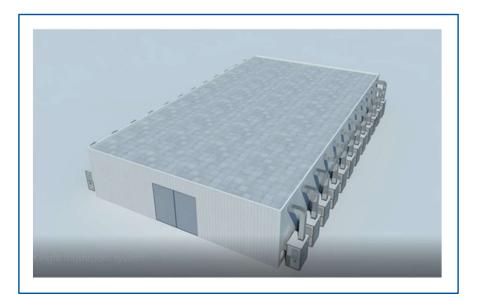
We will make 1, 2 or 3 bag type plastic air ducts for each grow room.

Numbers of air duct will based on the size of grow rooms and shelves.



Pictures of climate unit installation with grow rooms

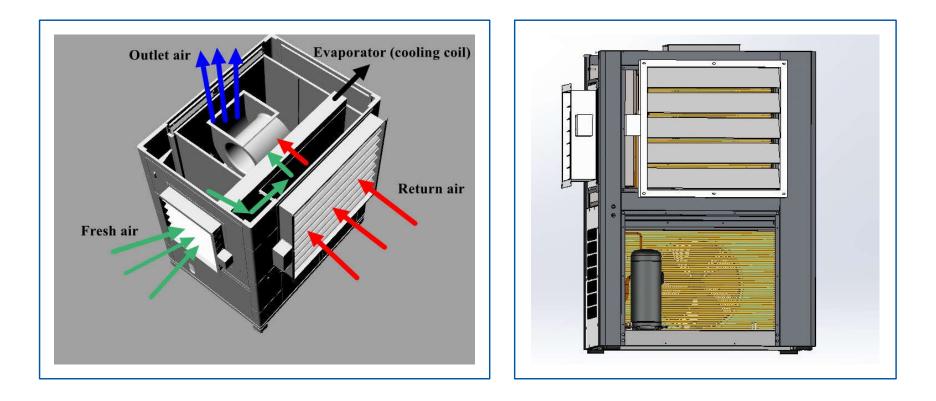




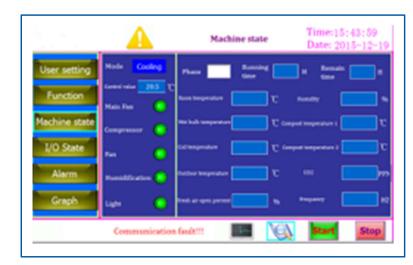


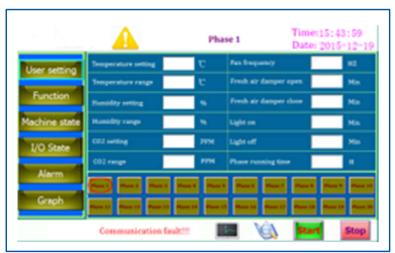
Air flow diagram

Machine have fresh air damper and return air damper, use Belimo actuators to auto conrol fresh air and return air damper open percentage as CO2 level requirement.









Touch screen control system

Functions:

1.Temperature control mode:Cooling,Heating and Auto

2. Humidity control

3.CO2 level control (fresh air)

4.Light control

Growers can set Max 20 growing phases in this controller.

If you only plan to set only Phase 1 parameters, please you can set other phases running time to 0 Hour.

How many models of machine we have?

We have models as below:

3HP,5HP,6HP,10HP,12HP,15HP,20HP and 24HP Climate unit.

Cooling capacity range : 8kw~90kw (2RT ~26RT)

Fan Capacity range: 1800m3 ~ 18000m3

Control grow rooms size with wide range from 20m2 to 300m2.

For Example:

1.Containerized grow room:6x3x2.8m (3HP unit)

2.Oyster greenhouse:35x7x4m (20HP unit)





How to choose a right model of unit for grow room?

We can caculate the cooling capacity (watt) as below:

1.White button: Q=140W/m2* Surface grow area m2 (15~25C)

2.Wood fungi (Oyster,King oyster,Shiitake ect) :

Incubation room: Q=15W*Room size m3+1.5W *Substrate weight kgs/1.25 (20~28C) Fruiting room: Q=30W* Room size m3+1.5W *Substrate weight kgs/1.25 (12~20C)



Some of our projects in China:





Our project in Iraq



Our project in Algeria



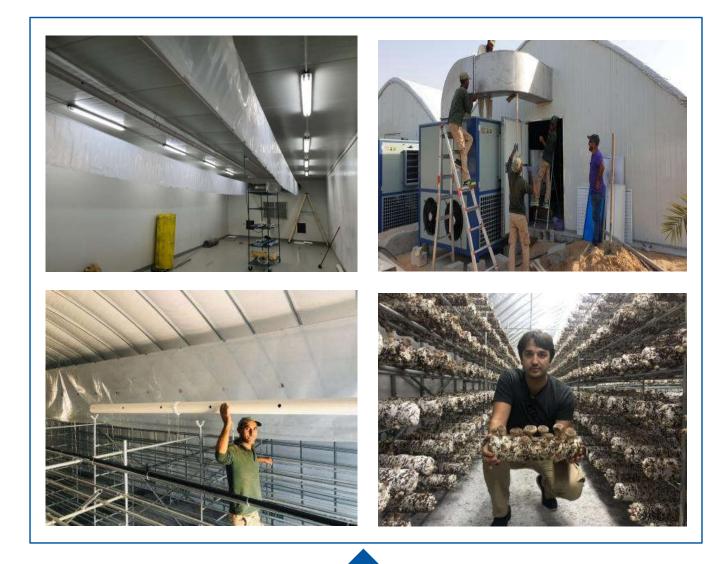


Our project in Sri Lanka





Our project in UAE



Our project in Malaysia





Our project in Chile





Our project in Bangladesh





Our project in Nepal





Our project in Korea





Our project in Thailand





Our project in Australia



