

LABORATORY



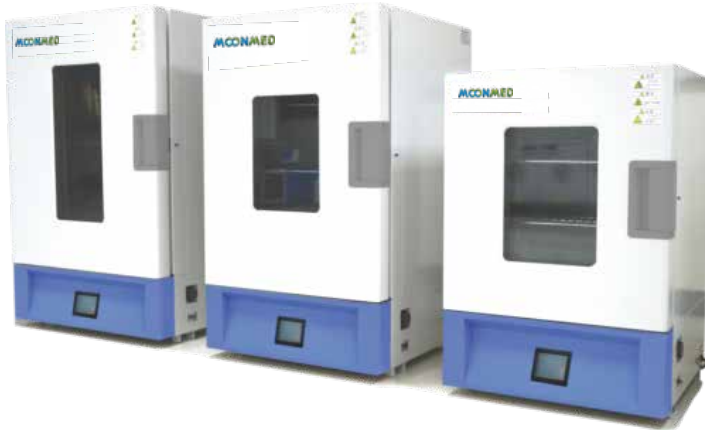
OVENS

MODEL : MO-00V 80/150/250

Moonmed Model MO-00V series of Ovens

Model Sizes:

Four standard model sizes 80L, 150L, 250L and 1200L (We can custom make any missing sizes on demand)



MoonMed ovens have been trusted by the most technology advanced leading biotechnology, pharmaceutical, academic, industrial and clinical laboratories. Our solutions deliver the performance, quality and reliability required by researchers and clinicians worldwide.

Since this year our ovens are equipped with a 3.5" color touchscreen HMI which allows you to set all the basics in a minimum of actions.

No matter if you do ageing of computer chips, drying or tempering of electronic components, hardening plastic resin or heating plasticine etc. our ovens are adaptable despite the type of test you may require. Our ovens are precise with an even control of temperature.

FEATURES

The oven programs have been developed and designed for a wide variety of applications and can be used intensively as our stainless steel loses nothing in its shine or in reliability. MoonMed believes in customization and we are always at your service to develop the oven that will fit your exact needs.

The chamber and housing is made from high quality stainless steel which is corrosion resistant and easily cleanable. The ovens have a heating concept which is adapted to the specific product for a precise and homogenous temperature control which is independent of the chamber volume and load.

Simple and easy programming and documentation.



The temperature values of all our ovens are measured according to DIN 12880:2007-05

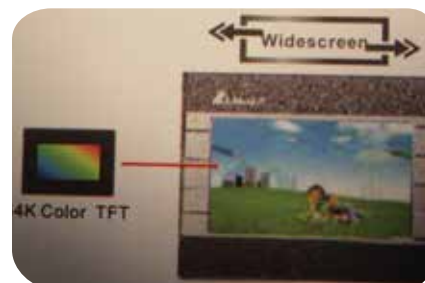
- English operation mode
- Temperature and alarm record (HMI model)
- Audio/Visual Alarm for High and Low values
- Set time for start and close function
- Real time-ramping and step programming cycle
- Program record and sequencing
- Display set(SV) and Process Value (PV) at the same time
- USB data export
- Remote control system: Access to HMI by internet
- Password protected security levels
- Control settings customized on request



ALARM



USB



WIDESCREEN



OV HMI

3.5" LED touchscreen HMI
Temperature and Alarm records
Audio/ Visual Alarm for High and Low
Ramping and step programming cycle
Program record and sequencing



INSULATION

5cm Rockwool
Highly resistant silicone gasket
Door hook type handle for tight sealing



Adjustable Shelf

SUS 304 highly resistant
5cm steps adjustable
2 to 16 shelves (Option)
Additional shelf (optional)
2 - 3 shelves standard



Air Circulation

Back to front forced air circulation
Great uniformity despite samples in the chamber
Long lifespan fan
Side to side air circulation (Option)



SPECIFICATIONS AND AVAILABLE OPTIONS

Large size custom made Ovens above 250 liters are available

MODEL		MO-OOV-80	MO-OOV-150	MO-OOV-250
Chamber Dimensions : mm	(WxDxH)mm	450x370x500	500x430x700	600x555x760
Capacity		80L	150L	250L
External Dimensions	(WxDxH)mm	575x583x855	625x635x1055	725x765x1115
Temperature Range	Ambient RT +5°C to 220°C(250°max for 1 Hr)			
Temperature Uniformity	±1.5°C@100°C	✓	✓	✓
Temperature Display accuracy	0.1°C	✓	✓	✓
Temperature Fluctuation	± 1°C	✓	✓	✓
Temperature Display	LED HMI	✓	✓	✓
Temperature Control		✓	✓	✓
Control Type : PID control		✓	✓	✓
Sensor Type: PT1000 three core precision sensor		✓	✓	✓
Programming : Available		✓	✓	✓
HMI: 3.5" LED touchscreenHMI		✓	✓	✓
Alarm				
High Temperature/ Door Open		✓	✓	✓
Data to USB		✓	✓	✓
Safety Device		✓	✓	✓
Current overload safety protection		✓	✓	✓
2 over temperature protection devices		✓	✓	✓
Power Supply : 110/220V 50Hz/60Hz		✓	✓	✓
Heating System				
Cycle ways:Internal wind forced circulation		✓	✓	✓
Heating : Watts		1600W	2000W	2500W
Trays made from SUS#304 (Standard/Maximum)		2 up to 8	3 up to 12	3 up to 16
Observation Window		✓	✓	✓
Air inlet 2 holes manually controlled (37mm)		✓	✓	✓
Internal material : SUS#304		✓	✓	✓
External Material: Steel with paint coating		✓	✓	✓
Insulation : Rockwool insulation		✓	✓	✓
Weight : Kgs		55kgs	75Kgs	105Kgs
Options				
Side to side air circulation		✓	✓	✓

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