

General Information

Manufacturer	Osworld Scientific Equipments Pvt. Ltd, Mumbai, India
Product	Vacuum Oven Round / Rectangular
Brand	Osworld
HSN code	85141000
Model	OVOR / OVOSQ
Type	Vertical, front opening, complete assembled unit, plug to start.

Technical Specifications - Vacuum Oven Round

Construction	Round inner chamber with toughened glass window. Maximum vacuum up to 760 mmHg of mercury. Installed with digital Temperature controller cum indicator for better accuracy and control of temperature.
Door	Door made of non corrosive aluminium.
Temperature range	: +50°C to 200°C
GMP Model	Outer body and inner chamber made of S.S 304. With IQ, OQ and PQ documentation.
Standard Model	Inner chamber made of SS 304 grade. Outer cabinet mild steel powder coated.
Insulation	Rockwool
Shelf	SS wire mesh heavy duty.
Electrical	230V / 15A / 50 Hz.

Technical Specifications - Vacuum Oven Rectangular

Construction	Rectangular inner chamber with toughened glass window. Maximum vacuum up to 760 mmHg of mercury. Installed with digital Temperature controller cum indicator for better accuracy and control of temperature.
Door	Door made of Stainless Steel.
GMP Model	Outer body and inner chamber made of S.S 304. With IQ, OQ and PQ documentation.
Standard Model	Inner chamber made of SS 304 grade. Outer cabinet mild steel powder coated.
Insulation	Rockwool
Shelf	SS wire mesh heavy duty.
Electrical	230V / 15A / 50 Hz.

Safety Features

Temperature	High temperature safety cut off.
Electrical	Short circuit protection

Calibration & Validation Documents

Calibration	Temperature sensor probe calibrated with traceability to ERTL Temperature controller calibrated with traceability to ERTL
Validation Documents	IQ, OQ and PQ documentation and protocols shall be provided with equipment available only with GMP Models.

Utilities / Preinstallation Requirement

Power supply	3 pin socket, 15Amps, 230 Volts AC 50 Hz.
Computer requirements (if software ordered)	Windows-compatible computer with a standard keyboard, a pointer input (i.e., a mouse, trackpad, or touchscreen). Microsoft "SQL 2012 free version to be provided by customer. Windows 7 or above. RAM 8 GB, Hard disk – 500 GB. Microsoft office 7 or higher (Professional is recommended) Processor: Intel I3 or higher. Com port for communication.
Internet connectivity	Acrobat reader (to view PDF files). Ethernet / LAN Connectivity. For remote access through Team Viewer / Any Desk.

Ordering Information

VACUUM OVEN. ROUND						
Standard Model	GMP Model	Internal Size Dia x Depth cm	External Size W x D x H cm	Capacity Liters	Power Watts	SS Shelf
OVOR S- 11	OVOR G- 11	22 x 30	60 x 44 x 40	11	700	2
OVOR S- 27	OVOR G- 27	30 x 38	60 x 52 x 46	27	950	2
*** Please confirm room door size (for equipment entry) and ceiling height						

VACUUM OVEN. RECTANGULAR						
Standard Model	GMP Model	Internal Size W x D x H cm	External Size W x D x H cm	Capacity Liters	Power Watts	SS Shelf
OVOSQ S- 36	OVOSQ G- 36	30 x 30 x 40	46 x 54 x 46	11	1750	2
OVOSQ S- 61	OVOSQ G- 61	35 x 35 x 50	51 x 64 x 51	27	1900	3
OVOSQ S- 122	OVOSQ G- 122	45 x 45 x 60	59 x 74 x 59	11	2200	3
OVOSQ S- 188	OVOSQ G- 188	50 x 50 x 75	66 x 89 x 66	27	2500	4
*** Please confirm room door size (for equipment entry) and ceiling height						

Optional accessories

Sr. No.	Descriptions
a	Data Storage Device (DSD). LED display. Data-logging: (OSLOG- DSD- LCD).
b	OS / SOFTLOG / V20.1 / Regular software with 21 CFR Part 11 features.
c	Digital Timer of 999 minutes with auto heater cut-off for timed cycle.
d	High temperature safety cut-off with audio/visual alarm.
e	Temperature mapping on site consisting of any one 24 hours' cycle, of either loaded or unloaded chamber, at any one temperature process condition will be performed.
	Note: Every OSWORLD Vacuum Oven is validated prior to dispatch at the factory.
	Those customers who do not require on site mapping may request FREE copy of factory mapping cycle data sheet.

Optional accessories detail

Data Storage Device (DSD)

LED display. Data-logging: (OSLOG- DSD- LCD). LCD 16 x 2 cm. yellow display. Password protected with memory for data storage. Printer connectivity through RS 485 communication. PC connectivity through MODBUS protocol. RTC / date / month settable. Log interval selectable. Print period to and from selectable. Printer Interface facility to 24 column or EPSON 80 Col dot matrix Printer only. (Printer not included in price but optional).

OS SOFT Data Logging Software.
With 21 CFR Part 11 compliant

Database on SQL Microsoft, free version.
(SQL download in customer scope).
"WHO DID WHAT, WHEN". Multiple Level Passwords.
Multi user level / group passwords (Administrator, Super user, Guest)
System access to authorized personnel.
Each user has individual account.
Minimum password length / Auto log out facility. Password expiry.
USB Communication with PC.
Every menu entered is prompted for password and purpose.
Mean Kinetic Temp. (MKT). Date and time stamp Audit Trail.
Report, Trends, Graphical user Interface.
Report of Alarm condition in alarm report, Remark in Alarm.
Electronic Signature. Unique user ID's and individual passwords.
Secure data with backup & restore facility.
Real time and historical trends for analysis.
Export to PDF for printout.
Software compatible to Windows 7 and above.

Caution!

This licence software is available with SOFT KEY, once installed on a PC system, it cannot be transferred on to another PC.
After installation for any reason the PC is changed then a new licence will have to be purchased. (Applicable for both software).
