

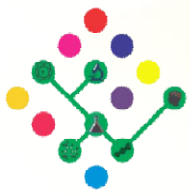
Vacuum Oven

IG-VHA Series



IGENE LABSERVE

Innovative • Interactive • Intuitive



FEATURES & SPECIFICATIONS

DESCRIPTION

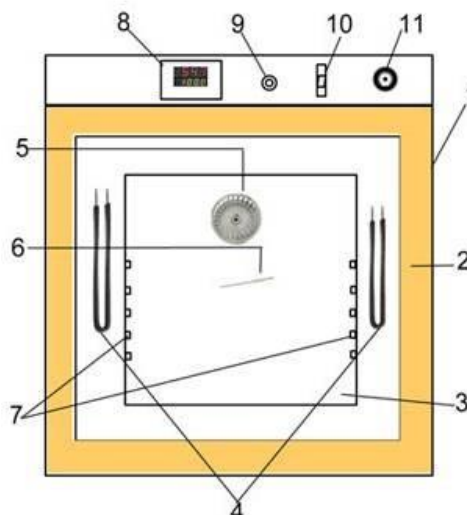
Vacuum Ovens are used for drying heat sensitive materials such as powder to extract moisture. As vacuum drying lowers the boiling point; therefore, losses of compounds other than water are minimized. Samples are dried under gentle heating leaving almost no residue. Some applications of vacuum oven include moisture content determination, dry sterilization, and purification and out gassing of solids etc.

We offer several optional accessories to fit in vacuum oven; such as, explosion proof heater, digital timer, PLC based HMI controller, RS485 computer interface, 21 CFR software, data logger and circular chart recorder, HEPA filter air inlet etc.

FEATURES

- ❖ We design vacuum oven in rectangular, square chamber and round chamber as required and as per the capacity required.
- ❖ Leakage proof arc welding.
- ❖ Silicon gasket for high temperature performance and high-quality door clamps.
- ❖ Temperature range of Ambient to 150°C (Optional 200°C) with PID Controller and dual display of SV and PV supported with PT-100 sensor.
- ❖ Optionally available with data logging, digital timer, PLC based HMI controller, vacuum display, digital vacuum controller etc. as per user requirement.

1. External cabinet
2. Glass wool insulation
3. Inner chamber
4. Heaters
5. Motor driven blower
6. Temperature sensor
7. Tray slots
8. PID temperature controller
9. Vacuum indicator
10. Mains on/off switch
11. Safety thermostat



SPECIFICATIONS

Chamber design	Round and Rectangular
Vacuum range	Up to -760 mmHg
Temperature range	Ambient+5°C to 150°C (Optional 200°C)
Temperature sensor	PT100
Temperature controller	Digital PID controller Display of SV & PV
Inner chamber	Hermetically welded stainless steel 304 sheet
External cabinet	Powder coated GI sheet
Door	Solid door with clamp & toughened glass window
Gasket	High temperature silicon gasket
Shelves	Removable SS shelves
Vacuum fittings	Vacuum valve / exhaust valves (Rubber hose)
Standard fittings	Mains on/off switch Vacuum pump on/off switch Electric socket for vacuum pump
Power supply	220 Volts 50Hz
Optional	KF25 flange vacuum connection 21 CFR compliance software Temperature up to 250°C All SS 304 construction (GMP) Digital vacuum control through solenoid valves PLC + HMI controller with USB interface Diaphragm valves for inert gas Timer 99 hours 59 min Oil free vacuum pump

ORDERING INFORMATION

Model	Dimensions (W x D x H)	Dimensions (W x H x D)	Volume
IG-8VHA	8 x 8 x 8 Inch	200 x 200 x 200 mm	8 Liters
IG-28VHA	12 x 12 x 12 Inch	300 x 300 x 300 mm	28 Liters
IG-50VHA	15 x 15 x 15 Inch	380 x 380 x 380 mm	50 Liters
IG-95VHA	18 x 18 x 18 Inch	455 x 455 x 455 mm	95 Liters
IG-127VHA	18 x 18 x 24 Inch	455 x 455 x 609 mm	127 Liters

Model	Dimensions	Volume
IG-6VOA	200 x 200 mm	6 Liters
IG-12VOA	250 x 250 mm	12 Liters
IG-14VOA	250 x 300 mm	14 Liters

