



Spire Automation & Innovation, India.

Inspiring Generations...

VACUUM OVEN

Spire Automation & Innovation offers Vacuum Oven cylindrical & Vacuum Oven Rectangular in number of sizes and range depending on your needs designed to meet the challenging demands of various scientists for individual and specialized research applications.

Our vacuum oven are widely used for day to day heating and drying applications performed in various laboratories which require heating as well as vacuum applications. Vacuum prevents oxidization and decarburization due to inert atmosphere.

These are double walled units with outer body made of mild steel duly pre-treated with primers and rust proofing and painted with epoxy powder coating & inner chamber made of heavy gauge *Stainless Steel 304*. The unit is mounted on a sturdy steel frame and provided with castor wheels (Large Sized Models Only) for easy movement inside the laboratory. The unit is provided with one stainless steel shelves. Indirect three side heating system is provided in our units, comprising of air heaters made of high grade Kanthal A-1 wires of suitable wattage. Control panel of the unit is mounted on top or side of the chamber as per space requirement and model size.



SALIENT FEATURES

- Inner chamber made of stainless steel SS-304 and outer chamber made of mild steel duly powder coated (SS optional).
- Hydraulic type thermostat to control temperature (Optional PID temperature indicator cum controller)
- High grade mineral glass wool to ensure temperature stability & reduced energy consumption
- Over temperature protection
- Easy to read vacuum gauge
- Tempered safety glass viewing window
- High quality door sealing by silicon gasket
- Two diaphragm valves for admission of inert gas / dry air etc.
- It works on 230V AC.

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VACUUM OVEN CYLINDRICAL SPECIFICATION

Model	SAII-VO-C-110	SAII-VO-C-120	SAII-VO-C-130	SAII-VO-C-140	SAII-VO-C-150
Size (cm)	20 x 20	30 x 30	30 x 45	30 x 60	45 x 60
Volume (Liters)	6.5	21	31	42	95
Temperature	Ambient +5°C to 150°C				
Vacuum range	10 to 720 mmHg or better				

VACUUM OVEN RECTANGULAR SPECIFICATION

Model	SAII-VO-R-110	SAII-VO-R-120	SAII-VO-R-130	SAII-VO-R-140	SAII-VO-R-150
Size (cm)	25 x 30 x 25	30 x 30 x 30	30 x 45 x 30	35 x 50 x 35	45 x 45 x 45
Volume (Liters)	18	27	40	61	91
Temperature	Ambient +5°C to 150°C				
Vacuum range	10 to 720 mmHg or better				

Optional:

- Micro-processor based PID digital temperature indicator cum controller
- Digital vacuum indicator cum transducer
- Vacuum pump (oil free)
- RS 232 communication port with software for data acquisition
- Outer body made of SS 304
- Programmable vacuum controller to set vacuum as per requirement

Note: Customized solution available on request

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