Vacuum Ovens
Digital Series

SHEL LAB vacuum ovens provide exceptional capabilities for fast and gentle drying of heat sensitive materials. They prevent residue accumulation on products and facilitate drying processed at reduced temperatures.

All SHEL LAB vacuum ovens are built with a stainless steel chamber that are easy to clean and have exceptional durability. Our double plenum design meets UL, CSA and EU safety requirements resulting in a cool outer surface.

The doors on these units have positive latch handles with spring-loaded glass to facilitate a good vacuum seal without hinge binds that shorten the gasket life. A selection of gaskets (for specific applications) and a small bench top footprint increase the versatility of these ovens.

To achieve required vacuum levels, users can choose from a 3/8 inch orifice or a KF25 fitting to withstand heavy use and minimize draw-down time. Maximum permitted end vacuum is 10 mTorr. Leak rate is 30 mTorr in 30 min.

Features

- Fully Programmable Watlow Temperature Control Capable of 40 Step Ramp and Soak Profiles or 4 Files With 10 Steps Per File
- Digital Vacuum Gauge
- RS485 Communication

SHEL LAB vacuum ovens support diverse applications, however these ovens do not come equipped with vacuum pumps or related accessories. Please consult with your Sales Representative if you need additional equipment to form a complete vacuum oven system.

Vacuum Oven Applications

- Moisture Determination
- Out Gassing Solids
- Aging Tests
- Plating
- Chemical Resistance Studies
- Drying of Paper
- Rubber and Textiles
- Desiccating
- Dry Sterilization
- Out Gassing Liquids
- Vacuum Storage
- Electronic Process Control

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Precise Temperature Control -

- Heat-up Time 90-120 minutes to 150°C
- Temperature Adjustable by 0.1°C
- Temperature Uniformity +/- 6% of Set Point
- Temperature Range Ambient + 10°C to 220°C

Vacuum Control -

- Vacuum Range
  - inch Hg (-3.0 to -29.9)
  - kPa (-10 to -101)
  - mbar (-101 to -1010)
- Display Range (Display Resolution)
  - inch Hg (0 to 29.9)
  - kPa (5 to -101)
  - bar (0.05 to -1.013)

2 Year Limited Warranty!

Vacuum Ovens	110-120V / 220-230V	Model Number SVAC1 / SVAC1-2	SVAC2 / SVAC2-2	SVAC4 / SVAC4-2
Exterior Dimensions (wxdxh)	Inches	17.5 x 22.8 x 23.5	20.5 x 29.5 x 26.3	26.5 x 34.5 x 32.3
	cm	44.5 x 57.8 x 59.7	52.0 x 75.0 x 66.7	67.3 x 87.6 x 81.9
Chamber Dimensions (wxdxh)	Inches	9.0 x 12.0 x 9.0	12.0 x 20.0 x 12.0	18.0 x 24.0 x 18.0
	cm	22.8 x 30.4 x 22.8	30.4 x 50.8 x 30.4	45.7 x 60.9 x 45.7
Oven Chamber Capacity	cu ft	0.6	1.7	4.5
	L	16	47	127
Number of Shelves	Included	3	3	3

*Technical data specified applies to units with standard equipment at an ambient temperature of 25°C and at nominal voltage. The temperatures specified are determined in accordance to factory standard following DIN 12880 respecting the recommended wall clearances of 10% of the height, width, and depth of the inner chamber. All indications are average values, typical for units produces in the series. We reserve the right to alter technical specifications at all times.
For a complete list of product specifications, call (800)322-4897 or visit the SHEL LAB website, www.shellab.com

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