

Vacuum Ovens

Economy Series



SHEL LAB vacuum ovens provide exceptional capabilities for fast and gentle drying of heat sensitive materials. They prevent residue accumulation on products and also allow safe drying of materials at lower temperatures than typically required when using convection ovens.

These units feature a radiant heating system that optimizes chamber space and provides excellent heat transfer and temperature uniformity. All SHEL LAB vacuum ovens are built with stainless steel chambers that are easy to clean and have exceptional durability.

The doors have positive latch handles with spring-loaded glass to facilitate a good vacuum seal without

hinge binds that shorten the gasket life. The tempered glass viewing window allows for safe, continuous monitoring of samples. A selection of gaskets (for specific applications) and a small bench top footprint increase the versatility of these ovens.

The SHEL LAB Vacuum Ovens are equipped with silicone gaskets. While these gaskets resist a wide variety of temperatures and pressures, they can breakdown in the presence of solvents and acids. For solvent applications, we recommend using Buna gaskets. For acidic applications, we recommend using Fluorosilicone or Viton® gaskets.

SHEL LAB stocks vacuum pumps and related accessories that are compatible with most applications. Our technical support team is available to advise on the perfect solution for your complete vacuum oven system purchase.

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



**2 Year
Limited
Warranty!**

Analog Temperature Control -

- Temperature Uniformity
 - +/- 3.0°C at 60°C
 - +/- 9.0°C at 120°C
 - +/- 13.0°C at 200°C
- Temperature Range Ambient +15°C to 210°C
- Heat-Up Time 90 min to 150C

Vacuum Control -

- Vacuum Range
 - inch Hg (-3.0 to -29.9)
 - kPa (-10 to -101)
 - mbar (-101 to -1010)
- Display Range (Analog Dial Gauge)
 - inch Hg (0 to 30), cm Hg (0 to 76)



Vacuum Ovens	Model Number		
	110-120V 220-230V	SVAC1E SVAC1E-2	SVAC2E SVAC2E-2
Exterior Dimensions (wxdxh)	Inches	15.5 x 19.0 x 22.5	18.5 x 27.8 x 25.3
	cm	39.4 x 48.3 x 57.2	47.0 x 70.5 x 64.2
Chamber Dimensions (wxdxh)	Inches	9.0 x 12.0 x 9.0	12.0 x 20.0 x 12.0
	cm	22.8 x 30.4 x 22.8	30.4 x 50.8 x 30.4
Oven Chamber Capacity	cu ft	0.6	1.7
	L	17	48
Number of Shelves	Included	2	2

*All specifications are determined by using average values on standard equipment at an ambient temperature of 25°C (77°F) and line voltages within +/-10% of unit type (115V/230V). Temperature specifications follow DIN 12880 methodology. We reserve the right to change specifications at any time.

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