



## Tenney SVO Thermal Fluid-Heating Vacuum Oven

The SVO Thermal Fluid-Heating Vacuum Ovens convenient design allows for simultaneous depressurization and heating conditioning within one machine. There are a diverse array of vacuum systems which can be employed to match your specific process requirements. VersaTenn V's latest software developments in environmental test chamber control make programming and diagnostics simple. this oven can reach precise altitude conditions for optimal test results with various vacuum and vent solenoid valves that are automatically controlled by the main controller.



### ► Features

- Electric heater cables that circumbent the structural shell of oven and oven door
- Thermostat for overtemperature protection
- Heat transfer fluid system heated by an electric immersion heater
- Variable capacitance type absolute pressure transducer to measure chamber pressure
- Multi-configuration vacuum system
- Single stage or two-stage oil-seated rotary vane vacuum pump included

### ► Performance

- Standard Pressure Conditions: Site level to 20.88mmHg (80,000 feet altitude)
- Optional Pressure Conditions: Site level to 8.28mmHg (100,000 feet)
  - Site level to 1.10mmHg (150,000 feet)
  - Site level to 0.169mmHg (200,000 feet)
- Standard SVO Chambers: 15°C above ambient (approx.) to +150°C

For model 27SVO:

- Pressure Range: Site level to 20.88mmHg (80,000 feet altitude)
- Temperature Range: 15°C above ambient (approx.) to +150°C. (302°F), ±0.5°F after stabilization
- Workspace Dimensions: 36" W x 36" L x 36" H

Model (S) Vacuum Only (SVO) Vacuum With Heat to +150°C	8S 8SVO	18S 18SVO	27S 27SVO	64S 64SVO
Interior Dimensions (WxHxD) (cm)	24" x 24" x 24" (61 x 61 x 61)	30" x 30" x 36" (76 x 76 x 91)	36" x 36" x 36" (91 x 91 x 91)	48" x 48" x 48" (122 x 122 x 122)
*Exterior Dimensions (WxHxD) (cm) (S Models Only)	41" x 64" x 44" (103 x 163 x 108)	52" x 72" x 66" (118 x 178 x 138)	52" x 76" x 66" (133 x 193 x 138)	60" x 92" x 72" (147 x 228 x 174)

\* Add 2" (5cm) to (W x H x D) for SVO overall dimensions

Control of conditions is as indicated on instrumentation furnished with chamber. Minor performance variations with window and accessories. Performance data is based on ambient temperature of +24°C (+75°F) at sea level on 60 Hz operation. For 50 Hz operation, performance will be reduced. Under certain programming conditions standard rates of change may vary. Consult factory for your specific requirements.

## ► Specifications

- Temperature Range: Approximately +15°C above ambient to +150°C
- Control Tolerance: ±3°C
- Heating Rate: Ambient to +100°C in 90 minutes
- Ultimate Vacuum: 20 mm/hg (20.88 Torr or 80,000')
- Uniformity: ±1°C

- Vacuum Pump: Oil sealed rotary pump with gas ballast and solenoid valves for vacuum and vent
- Control Interface: RS232
- Power Supply: 230V / 1 PH / 60 Hz (others available)
- Amps: will depend on size and voltage selection



**Baker Furnace, Blue M, Gruenberg, Lindberg/MPH,  
Lunaire, Tenney, Wisconsin Oven**

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*Specifications and Product Information are subject to change without notice.*