



Tenney SVO Thermal Heating Vacuum Oven

The SVO Thermal 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. Synergy Quattro'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; availability based upon oven design
- Thermostat for overtemperature protection
- Optional heat transfer fluid system heated by an electric immersion heater available for some applications
- Variable capacitance type absolute pressure transducer to measure chamber pressure
- Multi-configuration vacuum system
- Single stage or two-stage oil-sealed rotary vane vacuum pump included; application specific pumps are available upon request

► Specifications

- Temperature Range: Approximately +15°C above ambient to +150°C
- Control Tolerance: $\pm 1^{\circ}\text{C}$ (SVO models only)
- Temperature uniformity: $\pm 5^{\circ}\text{C}$
- Vacuum Pump: Oil sealed rotary pump with gas ballast and solenoid valves for vacuum and vent
- Control Interface: Ethernet, RS232, RS485
- Power Supply: 230V / 1 PH / 60 Hz (others available)
- Amps: will depend on size and voltage selection

► Performance

- Standard Vacuum Performance: Site level to 8.28Torr
- Optional Vacuum Performance: Site level to 0.169Torr
- Custom Vacuum Performance available upon request.



Tenney Environmental is a brand of Thermal Product Solutions, LLC.

»Blue M »Gruenberg »Lindberg/MPH »Lunaire
»Redline Chambers »Tenney »Wisconsin Oven

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Model (S) Vacuum Only		8S	18S	27S	64S
Vacuum with Heat to +150°C		8SVO	18SVO	27SVO	64SVO
Workspace Inches (mm)	W	24 (610)	30 (762)	36 (914)	48 (1219)
	D	24 (610)	36 (914)	36 (914)	48 (1219)
	H	24 (610)	30 (762)	36 (914)	48 (1219)
Exterior Inches (mm)	W	50 (1270)	54 (1372)	61 (1549)	75 (1905)
	D	50 (1270)	60 (1524)	70 (1778)	84 (2134)
	H	71 (1803)	80 (2032)	90 (2286)	104 (2642)

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.

