

Tenney

Vacuum Chambers and Ovens



Tenney

Vacuum Chambers & Vacuum Ovens for Product Testing and Drying

Vacuums to 169 microns

Tenney vacuum test chambers are constructed to perform various types of product testing, MIL-SPEC testing, and can be applied to many commercial production processes. The sturdy chambers provide a complete vacuum system and control system. This equipment is pretested and ready to operate with only the connection of an electrical power source.

The basic chambers are designed to function at vacuum levels to 20 mm Hg (80,000' altitude). Vacuum pump systems of greater capacities are optionally offered for vacuum capabilities to 0.169 mm Hg (200,000') or to achieve faster pump down rates.

CONSTRUCTION

Tenney vacuum chambers are all welded, reinforced structural steel vacuum shells, capable of supporting a full atmosphere of external pressure. The machinery compartment housing the vacuum pumping equipment and electrical control components are completely enclosed. Units feature a 2" (5 cm) diameter capped accessory port. Vacuum sealing of the chamber door is accomplished by use of silicone rubber gasketing.

The units are finished on the inside with 304 stainless steel and the exterior offers an attractive powder coating.

STANDARD FEATURES

S Models (Vacuum Only)

- Vacuum and control systems capable of creating vacuums to 20 mm Hg (80,000' altitude).
- Ultimate vacuum capability is achieved within 45 minutes. Vacuum to 87 mm Hg (50,000') is achieved within 10 minutes.
- Vacuum level is automatically controlled via a pressure sensitive instrument and pump control equipment.

OPTIONAL FEATURES

- Vacuum pumping equipment capable of ultimate performance of 8.4 mm Hg (100,000') 1.02mm Hg (150,000') 0.169 mm Hg (200,000')
- Vacuum pumping equipment capable of achieving ultimate altitudes or intermediate altitudes at faster than standard rate
- Special sizes and configurations up to and including walk-ins
- Recording instrumentation
- Special ports and penetrations, electrical terminal posts and special high voltage lead-ins and windows on SVO models
- Adjustable shelves
- Temperature and/or vacuum safety shutdown/alarm
- Casters
- 15" x 15" (38 cm x 38 cm) window

Specifications

Model (S) Vacuum Only (SVO) Vacuum With Heat To +150°C	8S 8SVO	18S 18SVO	27S 27SVO	64S 64SVO
Interior Dimensions (WxHxD)	24" x 24" x 24" (61cm x 61cm x 61cm)	30" x 30" x 36" (76cm x 76cm x 91cm)	36" x 36" x 36" (91cm x 91cm x 91cm)	48" x 48" x 48" (122cm x 122cm x 122cm)
*Exterior Dimensions (WxHxD) (S Models Only)	40 ½" x 64" x 42 ½" (103cm x 163cm x 108cm)	46 ½" x 70" x 54 ½" (118cm x 175cm x 138cm)	52 ½" x 76" x 54 ½" (133cm x 193cm x 138cm)	58" x 90" x 68 ½" (147cm x 228cm x 174cm)
Shipping Weight, Uncrated (Approx.)	1000 lbs (454 kg)	1500 lbs (680 kg)	2200 lbs (998 kg)	3800 lbs (1724 kg)
Power Requirements	208V or 230V, 1 Ph, 60 Hz, (Other voltages optional.)			

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 and Product Information is subject to change without notice.

SVO Models

(High Temperature Vacuum Ovens)

- Vacuum conditioning as described for S Models.
- VersaTenn V Control System
- Brine heating system on workspace walls. Achieves temperatures from approximately 10°C above ambient to +150°C.
- Fully insulated workspace.

