

StableTemp Vacuum Ovens

Operate at atmospheric pressure or at a vacuum up to 30" Hg

- Polycarbonate shield protects door glass from shattering

Ideal for carefully controlled processes such as desiccating, vacuum embedding, plating, and semiconductor processing. Control vacuum levels between 0 and 30" Hg. Silicone door gasket and positive door latch assure a tight seal at all vacuum levels. A three-way valve allows easy evacuation, purging, and venting. The front-mounted stainless steel vacuum line fittings accept 1/4" ID tubing.

Radiant warm-wall heat provides excellent temperature uniformity of $\pm 4^\circ\text{C}$ at 150°C . Use the dial thermometer to monitor the chamber temperature. Insert other types of probes such as gas and humidity into the two rear 1/4" NPT(F) ports to monitor the internal atmosphere. Built-in overtemperature thermostat protects your samples from overheating. Aluminum shelves provide minimal heat retention, reducing hot spots.

What's included: a dial thermometer, one-piece shelf assembly with two aluminum shelves, and a 6-ft (1.8-m) three-wire power cord (120 VAC models include plug).



05053-12

Specifications



Temperature range: 5°C above ambient to 200°C

Vacuum display: dial gauge

Control type: hydraulic thermostat

Construction: stainless steel chamber and heavy-gauge steel exterior

Temperature display: dial gauge

Vacuum range: 0 to 30" Hg

Catalog number	Capacity cu ft (L)	Temperature uniformity	Shelf positions	Dimensions (W x H x D), in. (cm)		Power		Shpg wt lb (kg)	Price
				Chamber	Overall	VAC	Amps		
T-05053-10	0.7 (19.8)	$\pm 5^\circ\text{C}$ at 100°C	2 (fixed)	10 x 10 x 12	20 x 16 1/4 x 16	120	5.0	130 (59.0)	
T-05053-12				(25 x 25 x 30)	(51 x 41 x 41)	240	2.5		
T-05053-20	2.3 (65.1)	$\pm 5^\circ\text{C}$ at 100°C	2 (fixed)	14 x 14 x 20	25 x 22 x 25	120	13.3	310 (140)	
T-05053-22				(36 x 36 x 51)	(63 x 56 x 63)	240	6.7		

T-06413-20 Tygon® vacuum tubing, 1/4" (6.4 mm) ID. Pack of 10 ft

T-17002-30 NIST-traceable calibration with data for ovens

StableTemp High-Temperature Vacuum Ovens

Reach temperatures up to 280°C

- Thick insulation ensures temperature uniformity and minimizes exterior surface temperatures

Simple, safe operation is the hallmark of these high-temperature vacuum ovens. Full-view window permits continuous monitoring.

Electronic-Controlled Oven (models 05017-00 and -05) with wrap-around heating elements ensures even heating. Electronic control back-up prevents overheating. Front panel controls include primary temperature control failure indicators, purge gas and vacuum control valves, vacuum gauge, and temperature control. Gas and vacuum system connectors on the rear panel let you replace air with inert gas. Glance through the window to view temperature on the dial thermometer inside the chamber. Easy-care construction features an enameled-steel cabinet, stainless steel chamber, and a silicone gasket.

Microprocessor-Controlled Oven (models 05017-10 and -15) with self-diagnostic indicators, back-up thermostat, and dual controls prevent damage to samples. Program up to eight on/off cycles per day. Front panel indicators alert you to open thermocouple, shorted triac, open heater, or overtemperature conditions. Easy-care construction features steel cabinet with baked epoxy enamel finish, stainless steel interior, chrome-plated steel shelves, and a silicone gasket.

What's included: two shelves and a power cord with plug (US standard on 120 VAC models; European on 230/240 VAC models).



05017-00



05017-10

Specifications

Temperature range: 10°C above ambient to 280°C

Temperature display
Models 05017-00, -05: dial
Models 05017-10, -15: LED

Vacuum and purge connections:
fit 1/4" ID tubing

Vacuum display
Models 05017-00, -05: dial
Models 05017-10, -15: LED



Catalog number	Capacity cu ft (L)	Temperature uniformity	Rise time to 200°C (minutes)	Shelf positions	Dimensions (W x H x D), in. (cm)		Power		Shpg wt lb (kg)	Price
					Chamber	Overall	VAC, Hz	Amps		
T-05017-00	0.67 (18.9)	$\pm 1^\circ\text{C}$ at 100°C	<35	2	10 x 10 x 11 1/2	18 x 22 3/4 x 17 3/4	120, 50/60	8.5	90 (41)	
T-05017-05					(25 x 25 x 29)	(46 x 58 x 45)	240, 50/60	4.2		
T-05017-10	1.50 (44.5)	$\pm 5^\circ\text{C}$ at 100°C	<30	8	12 x 12 x 18	26 x 22 x 23	120, 50/60	14.7	205 (93)	
T-05017-15					(30 x 30 x 46)	(66 x 56 x 58)	230, 50/60	7.4		

T-06413-20 Tygon® vacuum tubing, 1/4" ID. Pack of 10 ft

T-17002-30 NIST-traceable calibration with data for ovens