



Tenney Strat Altitude Chambers

Tenney's Tenney Strat Altitude Chambers simulate altitudes up to 200,000 feet. With an overall temperature range of -68°C to +177°C, humidity capabilities of 20% to 95% RH, and workspace sizes ranging from 5 to 64 cubic feet, this highly developed line of altitude chambers offers one of the broadest selections in the industry.

We are confident that our solid altitude chamber construction and precise operating systems will provide the exacting performance and a high degree of reliability for your altitude testing needs.

► Features

- Continuously welded, stainless steel, vapor-tight interior liners
- Control tolerance is $\pm 1^{\circ}\text{C}$ and $\pm 5\%$ RH typical after stabilization
- Linear pressure transducer to measure altitude
- Non-corroding humidity system
- Low-water protection on humidity system
- Vertical-down recirculating conditioning stream



**This picture may show changes, options, and features that are not included on your unit. These pictures are for reference only.*



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

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

www.tenney.com

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Overall dimensions in inches/millimeters

Model		5ST		10ST		15ST		27ST		36ST		48ST		64ST	
System Horsepower Size		2		2	7.5	2	7.5	2	7.5	2	7.5	7.5	15	7.5	15
Workspace Inches (mm)	W	21 (533)	24 (610)	24 (610)	24 (610)	36 (914)	36 (914)	36 (914)	36 (914)	48 (1219)	48 (1219)	48 (1219)	48 (1219)	48 (1219)	48 (1219)
	D	21 (533)	23 (584)	35 (889)	35 (889)	36 (914)	36 (914)	48 (1219)	48 (1219)	36 (914)	36 (914)	48 (1219)	48 (1219)	48 (1219)	48 (1219)
	H	25 (635)	30 (762)	30 (762)	30 (762)	36 (914)	36 (914)	36 (914)	36 (914)	48 (1219)	48 (1219)	48 (1219)	48 (1219)	48 (1219)	48 (1219)
Exterior Inches* (mm)	W	50 (1270)	55 (1397)	55 (1397)	55 (1397)	70 (1778)	70 (1778)	70 (1778)	70 (1778)	77 (1956)	77 (1956)	77 (1956)	77 (1956)	77 (1956)	77 (1956)
	D	73 (1854)	99 (2515)	111 (2819)	111 (2819)	122 (3099)	122 (3099)	134 (3404)	134 (3404)	128 (3251)	128 (3251)	140 (3556)	140 (3556)	140 (3556)	140 (3556)
	H	83 (2108)	96 (2438)	96 (2438)	96 (2438)	96 (2438)	96 (2438)	96 (2438)	96 (2438)	108 (2743)	108 (2743)	115 (2921)	115 (2921)	115 (2921)	115 (2921)
Heater Capacity @ 230V Input	kW	2	4	6	6	6	6	9	9	18	18	18	18	18	18
Humidifier @230V Input	kW	1	3	3	3	3	3	3	3	3	3	3	3	3	3
	GPH	0.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
AMPS @ 230V		33 (1PH)	33	93	33	93	33	93	33	100	120	183	120	183	183
AMPS, Fuse		45	45	120	45	120	45	120	45	125	150	250	150	250	250
Cooling Water, 20°C GPM		N/A**	N/A**	6	N/A**	6	N/A**	6	N/A**	6	9	12	6	12	12
Unit Weight	Lbs/Kg	2600/1180	3600/1633	4200/1906	4200/1906	5700/2586	5700/2586	6000/2722	6000/2722	7000/3176	7000/3176	7900/3584	7900/3584	7900/3584	7900/3584
*For humidity models, up to 7" should be added to the overall height.															
**Primary condenser solution for the 2HP cooling system is air cooled which rejects approximately 24,000 BTUH to the ambient space.															

All specifications are subject to change without notice.

- Humidity capability: 20% to 95% RH in the temperature range of +20°C to +85°C as limited by a 5°C dew point.
- Humidity not achieved simultaneously with altitude.
- Add suffix "R" to model number for humidity.
- Vacuum performance: All chambers achieve altitude up to 100,000 feet (8.2 mm Hg) in 35 minutes. Performance is sized based upon application requirements. Rated amperage will increase when selecting this option.
- Combined temperature and altitude to 60,000 feet maximum.
- Test data based on a 24°C ambient, sea level, 60 Hz. Performance slightly reduced on 50 Hz. Power requirements based on standard vacuum pump.

TPS Tenney - Strat Altitude Chamber 09152022 rev1



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