

#### Alltest Instruments, Inc.

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alltestchambers.net sales@alltest.net Alltest Instruments is your one stop shop for environmental test solutions. We specialize in premium refurbished chamber sales, rentals, service, calibration, and controller upgrades.

### Why buy from Alltest?

#### QUALITY YOU CAN TRUST

All chambers include a 90 day warranty and 5 day right of return. Each unit is tested to OEM specification and comes with our personal satisfaction guarantee.

#### TOP OF THE LINE EQUIPMENT

Alltest is the largest supplier of Thermotron environmental testing chambers.

#### EXPERT SERVICE WITH A PERSONAL TOUCH

Alltest Instruments technicians have over 30 years of experience with environmental design and chamber repair.

#### CUSTOM DESIGN SOLUTIONS

Our team is available to come on-site to help you design and install the right system for your specific needs.

### Get a quote today!

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Return Policy: All items on this site carry a 5 day right of refusal, 90 day warranty and a 30 day resellers guarantee.

Product Availability: If an item you ordered has to be put on backorder, we will contact you immediately, and give you an estimated delivery date. When it becomes available, we will contact you before shipping to confirm that you still need the product. In the event we are unable to fulfill the order we will offer you a substitute or cancel the order. We reserve the right to cancel any order placed at any time. Price and delivery are subject to availability.

Shipping Cost: Buyer pays actual shipping cost of UPS or FedEx. No handling charges.

Sales Tax: Only New Jersey residents and companies pay sales tax. Unless you have a tax resale number.

Payment Terms For US Customers: Visa, MasterCard, AMEX, Wire Transfer, Prepay, PayPal, or COD. Repeat customers can request terms.



### SE-SERIES ENVIRONMENTAL **TEST CHAMBERS**



### Taking Environmental Product Testing to the Next Level

Thoroughly testing products prior to consumer use is vital to the success of your business. Thermotron's SE-Series Chambers expose products to a variety of temperatures and humidity levels, offering a complete and comprehensive way to improve product reliability.

SE-Series Chambers provide accurate and reliable test results. With more standard features and better performance capabilities than comparable chambers on the market, SE-Series Chambers improve products through dynamic testing solutions.

#### THERMOTRON.COM

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### Advantages: At A Glance

#### Variety of Sizes

SE-Series Chamber workspaces range from 300 to 3,300 liters to accommodate many product sizes.

#### **Diverse Compressor Sizes**

By utilizing high-performance compressors in multiple size configurations, SE-Series Chambers can achieve the change rates you require. Thermotron offers cascade (two compressors) and single-stage (one compressor) chamber models.

#### Superior, Optimized Airflow

Direct airflow over the product under test improves product temperature change rates, helping achieve superior testing results.

#### **Product Monitoring**

Thermotron offers multiple features that assist in monitoring the product under test to maximize test results, including innovative data acquisition and Product Temperature Control.

#### Unparalleled Control System

The 8800 Controller is standard on all SE-Series Chamber models. The controller is intuitive, robust, and secure. The controller's hardware and software are designed in-house, specifically for environmental testing.

#### Humidity System

The patented humidity system provides a wide range of humidity conditions. Its modular design allows for future upgrades of temperature-only SE-Series Chambers.

#### **Custom Solutions**

Can't find an SE-Series Chamber to match your exact testing requirement? Thermotron provides custom chambers to meet individual size or performance needs.

For more than 55 years, Thermotron has provided quality environmental test equipment. We've worked to establish a trusted reputation among our peers, and when people hear the name *Thermotron*, they have confidence in the testing of their own product. We've been building our name since 1962; now it's your turn.



### FEATURES



### Inside the Workspace

#### 4" thick door and 4.5" thick walls

The chamber is well insulated and stays cool to the touch, protecting the user.

#### Advanced Air Baffle Design

Forces air directly over the product for better temperature change rates.

#### Electronic Humidity Sensor (humidity models)

Eliminates the need for thermocouple wicks, producing more repeatable, dependable humidity tests with less downtime.

### Serial Communications Panel

Stay connected with the Serial Communications Panel, featuring computer, internet, Ethernet, and USB connections, all while powering the 8800 Controller. The Serial Communications Panel provides the ability to securely export and transfer sensitive test data, including graphs and reports. Included in the serial communications panel are:

- 2 USB Ports
- Ethernet
- RS-232
- GPIB/IEEE-488 (optional)

#### Interior Lights

Illuminate the workspace during a test and while the door is open.

#### Product Temperature Control (PTC) Thermocouple

Attaches to the product under test to control and monitor its temperature.

#### ThermAlarm®

Prevents temperature from exceeding user-defined limits.

### **Optional Features**

#### A Quiet Package

Sound deadening material inside the chamber base incorporated to minimize noise levels.

#### Additional Access Ports Allows cables to attach to a product inside the chamber and connect to outside monitoring equipment. A plug is provided to seal the port.

#### Cable Notch A recess in the door frame that enables easy cable routing

from the product under test to the exterior of the chamber. Data Acquisition Panel (DAQ)

Collects and monitors product data while it's being tested.

**Door Lock** Prevents the chamber door from opening during a test.

#### E-stop Button

Shuts down the chamber immediately in case of emergency.

#### Extended Temperature Range

Increases chamber performance to 232°C or below -70°C, with the help of  $\mathsf{LN}_{2^{\text{-}}}$ 

#### **Extended Warranty**

Available on the parts and/or labor of your equipment.

#### Extra Access Ports

Choose from 2", 4", and 6" ports to be placed on the side wall of the chamber.

#### Extra Heat

Accelerates the chamber's heating capabilities in order to improve air and product temperature change rates.

#### **Glove Ports**

Allows users to safely handle products under test inside the workspace.

#### **Inner Glass Door Ports**

Allows product handling without releasing conditioned air.

#### Liquid Nitrogen (LN<sub>2</sub>) Boost

Enables faster temperature pull-downs and provides back-up cooling in the unlikely event of a mechanical refrigeration failure.

#### Liquid Nitrogen (LN<sub>2</sub>)-only Chamber

Available in certain models only. Bypasses mechanical refrigeration for a simplified,  $LN_2$ -only operation.

#### **Oxygen Monitor**

Analyzes ambient oxygen levels outside of the chamber to protect users.

#### **Preventive Maintenance and Calibration Agreements** Keeps equipment in optimal condition, minimizing chamber downtime.

**Product Dewpoint Control** Prevents condensation by maintaining the product at a higher temperature than the dewpoint of the surrounding air.

Purge: Dry Air & Gaseous Nitrogen (GN<sub>2</sub>) Minimizes moisture in the workspace.

**Reinforced Floors** Supports heavy product loads.

**Remote Air-cooled Condenser** Transfers heat from the chamber to outside the facility.

#### Remote Conditioning Blower

Allows the chamber to condition remote enclosures through the use of a blower in the chamber ceiling.

#### Shelves

Increases product loading capacity, allowing for more effective use of testing space.

#### The Universal Port

Located in the side wall of a SE-Series Chamber, diversifies test lab utilization.





### ENHANCED PERFORMANCE

### Air Baffle

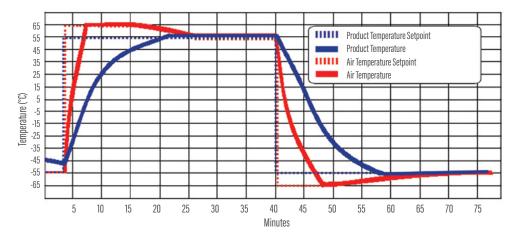
Maximizing airflow in the workspace is critical to a successful test. Repeat tests and maintain consistent, accurate results with Thermotron's innovative air baffle. It is designed to evenly and forcefully distribute air directly over the product,\* ensuring the entire product is conditioned.

The superior airflow the air baffle provides enhances product temperature change rates, tightens temperature gradients, and improves uniformity throughout the chamber's entire workspace.



The air baffle forces airflow directly on the product under test, improving product temperature change rates and workspace conditioning.

### Product Temperature Control



Product Temperature Control (PTC) is a software and thermocouple system used to increase product temperature ramp rates with user-defined temperature offsets. This feature is set up and controlled through the 8800 Controller.

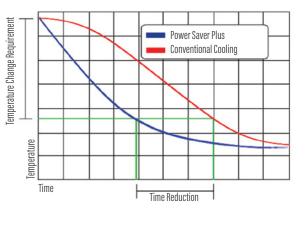
During conventional environmental testing, the workspace air temperature setpoint is achieved before the product temperature reaches it. The product temperature will lag behind and approach the air temperature at an exponentially decreasing rate. PTC reduces product ramp times by up to 50% by over-driving the chamber's conditioning system until the product temperature achieves the desired setpoint.

In the above example, the workspace air temperature reaches 65°C and holds until the desired product temperature setpoint of 55°C is achieved. Once the product temperature approaches the setpoint, the air temperature converges with the product temperature so both are at 55°C. This ensures accurate test results for your product during environmental testing. PTC works for both heating and cooling.

### Power Saver Plus (optional)

This innovative feature boosts cooling performance and reduces chamber energy consumption. The Power Saver Plus mode works with the 8800 Controller to determine whether to operate in single-stage or cascade mode, based on temperature setpoint, humidity mode, and cooling throttle.

Single-stage refrigeration systems perform faster in higher temperature ranges, while cascade refrigeration systems perform faster in lower temperature ranges. Power Saver Plus combines the benefit of both systems. It uses a sophisticated control logic to enable switching between systems, thus increasing cooling ramp times by up to 30%, all while reducing power consumption.





# Boost Cooling and Heating (*optional*)

Additional features enhance the chamber's cooling and heating performance.

#### $LN_{\scriptscriptstyle 2}$ Boost and $CO_{\scriptscriptstyle 2}$ Boost

Liquid nitrogen  $(LN_2)$  boost and carbon dioxide  $(CO_2)$  boost are cooling injection systems that enable faster pull-downs and dissipation of heat from the product under test.

#### Extra Heat

This add-on feature accelerates the chamber's heating capabilities to improve air and product temperature change rates.

THERMOTRON.

59.7°C

24 89

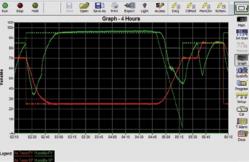
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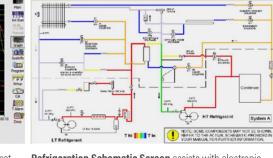
### Intuitive, Robust, Secure

Thermotron's exclusive Windows®-based 8800 Controller, with 12" color touchscreen, makes chamber operation and data collection easy and reliable. Quick navigation buttons provide shortcuts to user-selected screens. The 8800 Controller is standard on all SE-Series Chambers. With this Controller, receive:

Multi-level, password-based security system to protect data

- Test data that can be downloaded to spreadsheet formats
- An Activity Log: record and retain 15+ years of chamber history
- Product Temperature Control to improves product change rates by over-compensating the air temperature to control the product temperature
- The System Monitor to detect excessive refrigeration pressures and temperatures and notify users when problems occur
- The Product Dewpoint Control to prevent condensation by maintaining the product at a higher temperature than the dewpoint of the surrounding air (*optional*)
- ThermoTrak II<sup>™</sup> to connect up to 32 controllers to one PC (optional)





THE COMMEN SYSTEM ANIMO ACLOS

P S

**Graphing Screen** expands capabilities with enhanced test monitoring and reporting.

 Proc
 <th

**Refrigeration Schematic Screen** assists with electronic refrigeration monitoring and troubleshooting.



**Program Entry** allows users to load, view, and edit profiles manually or with step-by-step assistance.

Thorm Alarm 1



### MODULAR HUMIDITY SYSTEM ———

### UNIVERSAL PORT -



Temperature-humidity SE-Series Chamber models include a patented, modular, full-range humidity system. Precise uniformity and tight control characterize the high-performance specifications of this humidity system.

With excellent low-humidity accuracy, the electronic humidity sensor (located in the workspace) eliminates the need for thermocouple

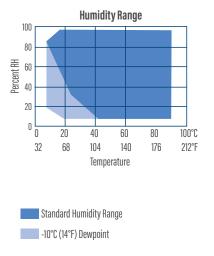
wicks and float tanks. A steam generator achieves high volumes of moisture with consistent water vapor levels and more repeatable test results.

The humidity system can be configured with a direct-feed facility hook-up or a self-contained refillable water reservoir. If using the water reservoir, the humidity water purification and recirculation system is recommended to keep the water within the working limits of the chamber.

A demineralizer cartridge viewing window allows users to see the cartridge without opening the doors.

The low humidity option incorporates dry air purge and a bubbler humidity system to control humidity at ultra-low dewpoints. This eliminates the two problems associated with adding hot steam to a cold environment: heat that needs to be taken out of the system and steam generator oscillation, both of which negatively affect the test results.

Humidity test numbers can be viewed, monitored, and controlled through the 8800 Controller. If you have a temperature-only chamber, the modular humidity system can be added as a field retrofit.



#### Full-Range Humidity Specifications\*

Humidity Range <sup>1</sup>	10% to 98% RH
Dry Bulb Temperature Range	7°C to 88°C (45°F to 190°F)
Dewpoint Temperature Range	7°C to 87°C (45°F to 188°F)
Extended Dewpoint Condition	-10°C (14°F)
Humidity Control <sup>2</sup>	±2.5% RH

\*Relative humidity indication at or near the physical limits may be affected by sensor accuracy and control tolerance. An optional humidity package can be added for applications requiring humidity levels lower than those covered by the full-range humidity system.

<sup>1</sup>Limited by a 7°C (45°F) minimum dewpoint temperature and a maximum dry bulb temperature of 88°C (190°F).

<sup>2</sup> At a dry bulb temperature above 20°C (68°F).

The patented Universal Port can be installed in the side wall of SE-Series Chambers, expanding their capabilities by diversifying equipment utilization, increasing lab productivity, and reducing capital investment costs.

The Universal Port interfaces with interchangeable modules and accessories that characterize different stress testing and simulation techniques, allowing the chamber to serve multiple purposes.

With the Universal Port, a temperature chamber can become a HALT chamber, thermal shock chamber, or a remote conditioner without needing to purchase an additional chamber.

The height of the Universal Port, modules, and accessories are consistent across all SE-Series Chamber models. The stainless steel port reduces moisture migration and heat leak. A full-sealing structural plug fills the portal with a pressurized fit when the port is not in use.



### Universal Port Module and Accessory Options

Adding the Universal Port option to your chamber diversifies your capital equipment purchase and allows you to be prepared for future growth and ever-changing testing needs. The following modules and accessories are currently available for purchase with your SE-Series Chamber with the Universal Port option.

- RSL-16 Portable Shaker
- AST Module
- Remote Blower Package
- Thermal Shock Module
- Walk-In Conditioning Module
- Workspace Add-on Module

Universal Port is available on SE-600 or larger. Universal Port Size: 32"H x 18"W. Custom sizes available.

- Workspace Extension Module
- Bulkhead ESS Connector Plate
- Workspace Extension Enclosures
- Additional Window
- Glove Ports
- Test Station Platform



### CHAMBER SPECIFICATIONS -

From workspaces to compressors, Thermotron SE-Series Chambers come with a variety of choices. The following pages outline the most common sizes offered for cascade, single-stage, and accelerated performance models according to chamber size, compressor(s), humidity capabilities, and airflow. All SE-Series Chambers can be custom designed, engineered, and manufactured to meet specific testing needs.

	Interior Dimensions WxDxH	Volume	Exterior Dimensions WxDxH	Airflow	Temperature Uniformity*
SE-300	24x26.25x28 in	10.2 ft <sup>3</sup>	35x70x78 in	500 CFM	
	61x67x71 cm	289 L	89x178x198 cm		
SE-400	32x26.25x28 in	13.6 ft <sup>3</sup>	43x70x78 in	750 CFM	
51-400	81x67x71 cm	385 L	109x178x198 cm	750 01 M	±0.5°C (±0.9°F)
SE-600	40x26.25x34 in	20.7 ft <sup>3</sup>	49x70x83 in	1,000 CFM	10.0 6 (10.0 1)
31-000	102x67x86 cm	586 L	124x178x211 cm	1,000 6111	
SE-1000	40x39.25x38.25 in	34.8 ft <sup>3</sup>	49x83x87 in	1,000 CFM	
2E-1000	102x100x97 cm	986 L			
OF 1157	48x33.25x44.25 in	40.9 ft <sup>3</sup>	56x83x87 in	2 E00 CEM	.0.700 (.1.200)
SE-1157	122x84x112 cm	1,157 L	142x211x221 cm	2,500 CFM	±0.7°C (±1.3°F)
05 1000	40x39.25x46 in	41.8 ft <sup>3</sup>	49x83x95 in	1000 054	. 0 500 ( . 0 005)
SE-1200	102x100x117 cm	1,184 L	124x211x241 cm	1,000 CFM	±0.5°C (±0.9°F)
05 1400	48x39.25x44.25 in	48.2 ft <sup>3</sup>	56x83x87 in	0.000.05M	
SE-1400	122x100x112 cm	1,366 L	142x211x221 cm	2,000 CFM	
05 1700	48x42x52 in	60.7 ft <sup>3</sup>	56x92x95 in	0.500.0514	
SE-1700	112x107x132 cm	1,718 L	142x234x241 cm	2,500 CFM	
05 0000	48x48x52 in	69.3 ft <sup>3</sup>	56x92x95 in	0.000.0514	
SE-2000	122x122x132 cm	1,965 L	142x234x241 cm	2,000 CFM	
05.0700	48x66x52 in	95.3 ft <sup>3</sup>	56x116x95 in	0.500.0514	0.700 ( 1.005)
SE-2700	122x168x132 cm	2,700 L	142x295x241 cm	2,500 CFM	±0.7°C (±1.3°F)
05 0000	48x72x52 in	104 ft <sup>3</sup>	56x116x95 in	0.000.0514	
SE-3000	122x183x132 cm	2,945 L	142x295x241 cm	2,000 CFM	
05 0007	48x74x52 in	107 ft <sup>3</sup>	56x124x95 in	2 E00 CEM	
SE-3027	122x188x132 cm	3,027 L	142x315x241 cm	2,500 CFM	
05 0000	48x80x52 in	116 ft <sup>3</sup>	56x124x95 in	0.000.0514	
SE-3300	122x203x132 cm	3,272 L	142x315x241 cm	2,000 CFM	

\*Standard deviation from mean, measured at -25°C (-13°F) or 100°C (212°F).

All chamber windows are 15x19 in / 38x48 cm.

Custom window sizes available.

Temperature Control: ±0.3°C (±0.5°F)

#### Cascade Utilities Definitions >>

Noise Level: A weighted sound pressure level measured at a distance of 1.0 meter (39.4 inches) from the equipment surface and a height of 1.6 meters (63 inches) from the floor in free-field conditions, using a calibrated instrument.

Air-cooled indicates that an onboard condenser is standard and a water-cooled condenser is optional. Chambers with listed water requirements can be built with remote air-cooled condensers.

### CASCADE UTILITIES -70° to 180°C (-94° to 356°F)

		Approx. Shipping Weight Ibs / kg	Electrical Requirements Inlet Water Full Load Amps Gal / Liters per Minute								
			208/3/60	230/3/60	460/3/60	400/3/50	29ºC / 85ºF	24ºC / 75ºF	18ºC / 65ºF	13ºC / 55ºF	
	SE-300-2-2	1,330 / 603	46	46	23	24		Air C	ooled		60 / 68
SE-300	SE-300-4-4	1,410 / 640	57	55	28	29		AII-0			
SE	SE-300-6-6	1,450 / 658	65	62	31	33	12 / 46	7 / 26	5 / 19	3.5 / 13	60 / 76
	SE-300-10-10	1,660 / 753	103	94	47	50	16 / 60	9/34	7.5 / 28	6 / 23	
	SE-400-6-6	1,575 / 714	68	65	33	35		Air-C	ooled		
SE-400	SE-400-10-10	1,785 / 810	92	83	42	44	16 / 60	9/34	7.5 / 28	6 / 23	60 / 76
	SE-400-15-15	1,860 / 844	121	112	56	59	24 / 91	14 / 53	11 / 42	8 / 31	
	SE-600-3-3	1,680 / 762	56	55	28	29					60 / 74
	SE-600-6-6	1,740 / 789	66	63	32	34		Air-C	ooled		
SE-600	SE-600-7.5-7.5	1,800 / 816	82	72	36	38					60 / 70
0,	SE-600-10-10	2,040 / 925	89	81	41	42	16 / 60	9/34	7.5 / 28	6 / 23	60 / 76
	SE-600-15-15	2,115 / 959	122	110	55	58	24 / 91	14 / 53	11 / 42	8 / 31	
	SE-1000-3-3	1,840 / 834	56	55	28	29					60 / 74
	SE-1000-6-6	1,900 / 862	66	63	32	34		Air-C	ooled		
SE-1000	SE-1000-7.5-7.5	1,960 / 889	82	72	36	38					60 / 76
0,5	SE-1000-10-10	2,200 / 998	89	81	41	42	16 / 60	9/34	7.5 / 28	6 / 23	00770
	SE-1000-15-15	2,275 / 1,032	122	110	55	58	24 / 91	14 / 53	11 / 42	8 / 31	
	SE-1200-3-3	1,930 / 875	56	55	28	29					60 / 74
0	SE-1200-6-6	1,990 / 902	66	63	32	34		Air-C	ooled		
SE-1200	SE-1200-7.5-7.5	2,050 / 930	82	72	36	38					60 / 76
	SE-1200-10-10	2,290 / 1,039	89	81	41	42	16 / 60	9/34	7.5 / 28	6 / 23	
	SE-1200-15-15	2,365 / 1,073	122	110	55	58	24 / 91	14 / 53	11 / 42	8 / 31	
	SE-1400-3-3	1,980 / 898	63	61	31	33	_				60 / 74
0	SE-1400-6-6	2,040 / 925	73	70	35	37	_	Air-C	ooled		
SE-1400	SE-1400-7.5-7.5	2,100 / 952	89	79	39	42			1	1	60 / 76
	SE-1400-10-10	2,340 / 1,061	96	88	44	46	16 / 60	9/34	7.5 / 28	6 / 23	
	SE-1400-15-15	2,415 / 1,095	129	117	58	61	24 / 91	14 / 53	11 / 42	8 / 31	
	SE-2000-3-3	2,155 / 977	63	61	31	33	-				60 / 74
00(	SE-2000-6-6	2,215 / 1,005	73	70	35	37	-	Air-C	ooled		
SE-2000	SE-2000-7.5-7.5	2,275 / 1,032	89	79	39	42	10.700	0.104	75.100	0.100	60 / 76
	SE-2000-10-10	2,515 / 1,141	96	88	44	46	16 / 60	9/34	7.5 / 28	6 / 23	
	SE-2000-15-15	2,590 / 1,175	129	117	58	61	24 / 91	14 / 53	11 / 42	8 / 31	
	SE-3000-6-6	2,715 / 1,231	73	70	35	37	_				
SE-3000	SE-3000-7.5-7.5	2,775 / 1,259	89	79 00	39	42	16 / 60	0/24	75/00	6/00	60 / 76
S	SE-3000-10-10	3,015 / 1,367	96	88	44 59	46	16 / 60	9 / 34 14 / 53	7.5 / 28	6/23	
	SE-3000-15-15	3,090 / 1,401	129	117	58	61	24 / 91	24 / 91   14 / 53   11 / 42   8 / 31 Air-Cooled			
	SE-3300-6-6	2,885 / 1,308	73 89	70	35 39	37	_				
SE-3300	SE-3300-7.5-7.5	2,945 / 1,336	96	79 88	44	42	16 / 60	0/2/	75/20	6/22	60 / 76
SE-3	SE-3300-10-10 SE-3300-15-15	3,185 / 1,444 3,260 / 1,478	129	117	44 58	46 61	24 / 91	9 / 34 14 / 53	7.5 / 28	6 / 23 8 / 31	00770
	SE-3300-15-15 SE-3300-20-20	4,170 / 1,891	129	117	79	82	40 / 151	22 / 83	11 / 42	14 / 53	

# CASCADE PERFORMANCE

### -70° to 180°C (-94° to 356°F)

		Cooling Performance							Heating Per	forman	ce			IEC Perf	ormance*	Cooling Product Temp Heat			ng Product Temp	
									asured at the su	ipply aii	r*						Measured on	the product	**	
				Minut	es & °C/Minu	ite			Minute	s & °C/N	linute			°C/N	linute		Min	utes		
		180º	to -65ºC	1	71º to -65ºC	85º	to -40ºC		-65º to 180ºC	-65º	to 71ºC	-4	40º to 85ºC	Cooling	Heating	71º to -65ºC	85º to -40ºC	-65º to 71ºC	-40º to 85ºC	
	SE-300-2-2	75	3.2ºC	48	2.8°C	35	3.5℃	36	6.8°C	17	3ºC	16	7.8°C	3.6	6.5	90	72	40	38	
SE-300	SE-300-4-4	45	5.4°C	26	5.2°C	17	7.4ºC	22	11.1°C	9	15.1ºC	8	15.6°C	6.2	10.5	52	36	33	31	
SE	SE-300-6-6	33	7.4°C	21	6.4ºC	12.5	10°C	22	11.1°C	9	15.1ºC	8	15.6°C	8.7	10.5	39	28	33	31	
	SE-300-10-10	20	12.3ºC	13	10.5°C	6	20.8°C	11	22.3°C	5	27.2°C	4	31.3ºC	15.4	22	36	26	32	30	
	SE-400-6-6	42	5.8ºC	24	5.6°C	15	8.3ºC	30	8.1ºC	14	9.7°C	12	10.4°C	6.6	8.0	42	33	30	28	
SE-400	SE-400-10-10	25	9.8°C	15	9ºC	9	13.8ºC	18	13.6℃	7.5	18.1°C	6.5	19.2ºC	11.7	12.5	27	23	25	24	
	SE-400-15-15	17	14.4°C	9	15.1℃	5	25⁰C	9	27.2°C	4.5	30.2℃	4	31.3°C	22.0	28.0	24	21	24	23	
	SE-600-3-3	68	3.6°C	41	3.3℃	28	4.4°C	37	6.6°C	17	3ºC	16	7.8°C	3.8	5.8	60	48	40	38	
	SE-600-6-6	50	4.9°C	30	4.5°C	22	5.6°C	37	6.6°C	17	8ºC	16	7.8°C	5.5	5.8	48	40	40	38	
SE-600	SE-600-7.5-7.5	40	6.1ºC	26	5.2°C	18	6.9ºC	19	12.8°C	9	15.1°C	8	15.6°C	6.6	13.3	42	35	26	25	
	SE-600-10-10	28	8.7ºC	17	8ºC	11	11.3ºC	19	12.8°C	9	15.1°C	8	15.6°C	10.0	13.3	30	25	26	25	
	SE-600-15-15	22	11.1ºC	13	10.4ºC	9	13.8°C	11	22.2°C	7	19.4°C	6	20.8°C	13.3	22.0	26	23	24	23	
	SE-1000-3-3	78	3.1ºC	50	2.7ºC	35	3.5℃	43	5.6°C	20	6.8°C	19	6.5°C	3.1	4.9	68	53	44	41	
8	SE-1000-6-6	56	4.3°C	36	3.7°C	26	4.7°C	43	5.6°C	20	6.8°C	19	6.5°C	4.6	4.9	53	46	44	41	
SE-1000	SE-1000-7.5-7.5	47	5.2°C	32	4.3°C	22	5.7°C	21	11.6°C	10	13.6°C	9	12.8°C	5.4	10.5	46	39	27	26	
	SE-1000-10-10	34	7.2°C	21	6.4ºC	13	9.6°C	21	11.6°C	10	13.6°C	9	12.8°C	7.7	10.5	32	26	27	26	
	SE-1000-15-15	27	9ºC	16	8.5°C	11	11.3℃	12	20.4°C	8	17°C	7	17.8°C	11.7	20.0	28	24	25	24	
	SE-1200-3-3	84	2.9°C	55	2.4°C	40	3.1°C	47	5.2°C	22	6.1°C	21	5.9°C	2.8	4.4	72	56	48	44	
SE-1200	SE-1200-6-6	62 52	3.9°C 4.7°C	40	3.4°C 3.9°C	30 25	4.1°C 5°C	47 23	5.2°C 10.6°C	22	6.1°C	21	5.9°C 12.5°C	4.0	4.4 9.5	56 48	49	48	44 27	
SE-1	SE-1200-7.5-7.5 SE-1200-10-10	37	4.7°C	23	5.9%	15	8.3°C	23	10.6°C	11	12.3°C	10	12.5%	6.9	9.5	34	41 27	20	27	
	SE-1200-10-10	29	8.4°C	18	7.5°C	12	10.4°C	13	18.8°C	9	15.1°C	8	15.6°C	10.5	18.0	29	25	20	25	
	SE-1400-3-3	95	2.6°C	61	2.2°C	43	2.9°C	49	5°C	23	5.9°C	22	5.7°C	2.5	4.2	76	59	50	46	
	SE-1400-6-6	66	3.7°C	42	3.2°C	32	3.9°C	49	5°C	23	5.9°C	22	5.6°C	3.7	4.2	58	51	50	46	
E-1400	SE-1400-7.5-7.5	55	4.5°C	37	3.7ºC	27	4.6°C	24	10.2°C	11	12.3°C	10	12.5°C	4.5	9.0	50	43	29	28	
SE	SE-1400-10-10	39	6.2ºC	24	5.6°C	16	7.8°C	24	10.2°C	11	12.3ºC	10	12.5°C	6.4	9.0	36	29	29	28	
	SE-1400-15-15	30	8.1ºC	19	7.1°C	12	10.4ºC	14	17.5℃	8	17ºC	7	17.8°C	9.5	18.0	30	26	27	26	
	SE-2000-3-3	100	2.4ºC	65	2ºC	45	2.7ºC	51	4.8°C	24	5.6°C	23	5.4°C	2.3	4.0	79	62	52	48	
	SE-2000-6-6	70	3.5⁰C	44	3ºC	34	3.6°C	51	4.8°C	24	5.6°C	23	5.4°C	3.3	4.0	60	53	52	48	
SE-2000	SE-2000-7.5-7.5	58	4.2°C	39	3.5℃	29	4.3ºC	25	9.8°C	12	11.3℃	11	11.3°C	4.0	8.7	52	45	30	29	
S	SE-2000-10-10	41	5.9℃	25	5.4ºC	17	7.4°C	25	9.8°C	12	11.3℃	11	11.3°C	6.4	8.7	37	31	30	29	
	SE-2000-15-15	31	7.9°C	20	6.8ºC	12	10.4°C	14	17.5°C	8	17°C	7	17.8°C	8.3	16.6	31	27	28	27	
	SE-3000-6-6	85	2.9ºC	54	2.5℃	42	2.9℃	64	3.8ºC	31	4.3°C	29	4.3ºC	2.8	3.3	70	61	58	54	
SE-3000	SE-3000-7.5-7.5	70	3.5⁰C	47	2.9°C	35	3.6°C	30	8.1ºC	14	9.7°C	13	9.6°C	3.4	7.1	60	51	34	32	
SE-	SE-3000-10-10	50	4.9°C	30	4.5°C	21	5.9°C	30	8.1°C	14	9.7°C	13	9.6°C	5.2	7.1	42	35	34	32	
	SE-3000-15-15	38	6.4°C	25	5.4°C	16	7.8°C	17	14.4°C	9	15.1ºC	8	15.6°C	6.6	13.3	35	31	31	30	
	SE-3300-6-6	90	2.7ºC	57	2.4ºC	45	2.8°C	68	3.6℃	33	4.1°C	31	4ºC	2.7	3.2	73	63	61	57	
	SE-3300-7.5-7.5	74	3.3ºC	50	2.7⁰C	38	3.3℃	32	7.6ºC	15	9.1°C	14	8.9ºC	3.2	6.6	63	53	36	34	
SE-3300	SE-3300-10-10	53	4.6°C	32	4.3°C	23	5.4ºC	32	7.6°C	15	9.1°C	14	8.9ºC	5.0	6.6	44	37	36	34	
	SE-3300-15-15	40	6.1ºC	27	5⁰C	17	7.4℃	18	13.6°C	10	13.6°C	9	13.9ºC	6.4	12.5	36	32	32	31	
	SE-3300-20-20	30	8.2ºC	17	8ºC	11	11.4°C	19	12.9°C	10	13.6ºC	9	13.9°C	10.5	11.7	33	29	32	31	

\*Air temperature (empty chamber)

\*\*SE-300 and SE-400s are tested with 25 lbs/11 kg of aluminum sheets, all other models are tested with 50 lbs/23 kg aluminum sheets.

SE-2000-3-3 limited to -68°C.

Performance is based upon laboratory ambient conditions of 23.9°C, and may vary slightly.

\*IEC specification 600-68-3-5. Based on the time the chamber takes to pass through the middle 80% of the full temperature range when conducting a transition over this range.

Thermotron equipment is not designed to process hazardous materials. Consult an application engineer if hazardous materials are involved.

Additional accessories may impact performance. Specifications subject to change without notice.

### HIGH HORSEPOWER SERIES --70° to 180°C (-94° to 356°F)

Accelerated Perfomance SE-Series Chambers are paired with specific compressors for superior performance in order to achieve the testing results you expect from Thermotron.

### Performance

		Cool	ing F	Performa	ance			Неа	ting	Perform	ance	IEC+		Cooling Product Temp		Heating Product Temp		
		Measured at the Supply Air*													М	e		
		Min	utes	& °C/Mi	nute		Minutes & °C/Minute							utes	Minutes			
	180º	to -65ºC	71º 1	to -65⁰C	85°1	to -40°C	-65º to 180ºC		-65º to 71ºC		-40º to 85ºC		Cooling	Heating	71º to -65ºC	85º to -40ºC	-65º to 71ºC	-40° to 85°C
SE-1157- 30-30	14	17.5°C	8	17ºC	5	25°C	11	22.3°C	5	27.2°C	4.5	27.8°C	10	8	27	23	26	25
SE-1400- 20-20	21	11.7°C	12	11.3ºC	7	17.9°C	15	16.3ºC	8	17ºC	7	17.9°C	13	14	28	24	27	26
SE-1700- 30-30	16	15.3℃	9	15.1ºC	7	17.9°C	12	20.4°C	6	22.7ºC	5	25ºC	12	9	28	24	27	26
SE-2000- 20-20	23	10.7ºC	13	10.5°C	8	15.6℃	16	15.3℃	8	17ºC	7	17.9°C	15	15	29	25	28	27
SE-2700- 30-30	19	12.9°C	11	12.4ºC	8	15.6⁰C	13	18.8ºC	7	19.4°C	6	20.8°C	14	10	31	27	30	29
SE-3000- 20-20	28 8.8°C 16 8.5°C 10 12.5°C		19	12.9°C	9	15.1℃	8	15.6⁰C	18	18	32	28	31	30				
SE-3027- 30-30	20	12.3°C	11	12.4°C	8	15.6⁰C	13	18.8ºC	7	19.4°C	6	20.8°C	14	10	32	28	31	30

\* Air temperature (empty chamber)

\*\*SE-300 and SE-400s are tested with 25 lbs/11 kg of aluminum sheets, all other models are tested with 50 lbs/23 kg aluminum sheets.

\*IEC specification based on the time the chamber takes to pass through the middle 80% of the full temperature range when conducting a transition over this range.

	Approx. Shipping Weight Ibs / kg	E	lectrical Re Full Loa		3			Noise Level (dBA) Heating / Cooilng		
		208/3/60	230/3/60	460/3/60	400/3/50	29°C / 85°F	24ºC / 75ºF	18°C / 65°F	13°C / 55°F	
SE-1157- 30-30	3,825 / 1,735	249	226	113	117	65 / 246	32 / 121	22 / 83	16 / 60	
SE-1400- 20-20	3,325 / 1,508	173	157	79	82	40 / 151	22 / 83	18 / 68	14 / 53	
SE-1700- 30-30	4,000 / 1,814	249	226	113	117	65 / 246	32 / 121	22 / 83	16 / 60	
SE-2000- 20-20	3,500 / 1,587	173	157	79	82	40 / 151	22 / 83	18 / 68	14 / 53	60 / 76
SE-2700- 30-30	4,500 / 2,041	249	226	113	117	65 / 246	32 / 121	22 / 83	16 / 60	
SE-3000- 20-20	4,000 / 1,814	173	157	79	82	40 / 151	22 / 83	18 / 68	14 / 53	
SE-3027- 30-30	4,670 / 2,118	249	226	113	117	65 / 246	32 / 121	22 / 83	16 / 60	

Noise Level: A weighted sound pressure level measured at a distance of 1.0 meter (39.4 inches) from the equipment surface and a height of 1.6 meters (63 inches) from the floor in free-field conditions, using a calibrated instrument.

### Utilities

### SINGLE-STAGE PERFORMANCE --40° to 180°C (-40° to 356°F)

				Cooling Pe	erformanc	e			He	ating Perfo	rmance			IEC Perfo	ormance+	-	Product mp	-	g Product emp
					1			Measured	d at the Su	pply Air*				1		Me	easured on	the Produ	ct**
			Minutes			°C/Minut	e		M	inutes		°C/Min	ute	°C/M	linute		Min	utes	
		180º to -35	٥C	71º to -35ºC	2	85º to -20	90	-35º to 180º	°C	-35º to 71º(		-20º to 85ºC		Cooling	Heating	71º to -35ºC	85º to -20ºC	-35º to 71ºC	-20º to 85℃
SE-300	SE-300-2	60	3.6°C	38	2.8°C	25	4.2°C	32	6.7ºC	13	8.1ºC	13	8ºC	4.6	6.7	60	46	30	30
SE	SE-300-4	42	5.1°C	28	3.7℃	17	6.1ºC	18	11.9°C	7	15.1°C	7	15°C	6.2	11.0	50	40	25	25
	SE-600-4	54	3.9°C	35	3ºC	23	4.5°C	31	6.9°C	13	8.1ºC	13	3ºC	4.9	6.2	56	39	31	31
9	SE-600-6	43	5℃	26	4ºC	18	5.8°C	31	6.9ºC	13	8.1ºC	13	3ºC	6.0	6.2	44	33	31	31
SE-600	SE-600-7.5	35	6.1ºC	23	4.6°C	16	6.6ºC	16	13.4ºC	7	15.1°C	7	15°C	7.3	12.5	40	31	24	24
	SE-600-10	27	8ºC	18	5.8°C	10	10.5°C	16	13.4ºC	7	15.1ºC	7	15°C	10.3	12.5	34	28	24	24
	SE-600-15	22	9.8°C	14	7.6°C	7	15°C	9	23.8°C	4	26.5°C	4	26.2°C	12.5	29.3	31	27	22	22
	SE-1000-4	67	3.2ºC	46	2.3ºC	32	3.2°C	36	5.9°C	15	7ºC	15	7ºC	4.0	5.1	66	48	33	33
8	SE-1000-6	52	4.1°C	33	3.2ºC	22	4.7°C	36	5.9°C	15	7⁰C	15	7ºC	4.9	5.1	49	39	33	33
SE-1000	SE-1000-7.5	43	5⁰C	29	3.7°C	19	5.5°C	20	10.8°C	8	13.2°C	8	13.1ºC	6.0	10.3	45	36	25	25
S	SE-1000-10	30	7.2°C	20	5.3ºC	12	8.7ºC	20	10.8°C	8	13.2℃	8	13.1ºC	8.8	10.3	36	29	25	25
	SE-1000-15	25	8.6ºC	16	6.6ºC	9	11.7°C	10	21.5°C	5	21.2°C	5	21ºC	10.3	22.0	35	28	23	23
	SE-1200-4	75	2.9°C	53	2ºC	36	2.9°C	40	5.3ºC	17	6.2°C	17	6.1ºC	3.7	4.6	72	55	36	36
_	SE-1200-6	60	3.5⁰C	39	2.7°C	26	4ºC	40	5.3°C	17	6.2°C	17	6.1ºC	4.4	4.6	55	44	36	36
SE-1200	SE-1200-7.5	47	4.6°C	32	3.3ºC	22	4.8°C	22	9.7°C	9	11.7°C	9	11.6°C	5.5	9.2	49	40	26	26
S	SE-1200-10	32	6.7ºC	22	4.8°C	13	8ºC	22	9.7°C	9	11.7°C	9	11.6°C	8.0	9.2	37	30	26	26
	SE-1200-15	28	7.7°C	18	5.9°C	10	10.5°C	11	19.5ºC	5	21.2℃	5	21ºC	9.2	19.5	36	28	24	24
	SE-1400-4	80	2.9ºC	54	2ºC	38	2.8°C	41	5.2°C	17	6.2°C	17	6.2°C	3.5	4.5	74	57	37	37
	SE-1400-6	62	3.5⁰C	40	2.7°C	26	4ºC	41	5.2°C	17	6.2°C	17	6.2°C	4.0	4.5	57	45	37	37
400	SE-1400-7.5	49	4.4°C	33	3.2ºC	22	4.8°C	22	9.8ºC	9	11.8°C	9	11.7ºC	5.1	9.2	51	41	26	26
SE-1400	SE-1400-10	34	6.3ºC	23	4.6°C	13	8.1ºC	22	9.8ºC	9	11.8°C	9	11.7°C	7.6	9.2	37	30	26	26
	SE-1400-15	29	7.4°C	19	5.6°C	10	10.5°C	11	19.5°C	5	21.2°C	5	21ºC	8.8	19.5	36	28	24	24
	SE-1400-20	25	8.6ºC	16	6.6ºC	7	15ºC	12	17.9°C	5	21.2°C	5	21ºC	12.5	17.6	35	27	24	24
	SE-2000-4	88	2.4ºC	56	1.8°C	40	2.6°C	44	4.8°C	18	5.8°C	18	5.8°C	3.1	4.2	80	62	40	40
	SE-2000-6	65	3.3ºC	43	2.4ºC	28	3.7ºC	44	4.8°C	18	5.8°C	18	5.8°C	3.9	4.2	62	50	40	40
00	SE-2000-7.5	52	4.1°C	35	3ºC	24	4.4°C	24	8.9ºC	10	10.6°C	10	10.5°C	4.9	8.3	54	45	27	27
SE-2000	SE-2000-10	37	5.8°C	25	4.2°C	14	7.5°C	24	8.9ºC	10	10.6°C	10	10.5°C	7.0	8.3	38	31	27	27
	SE-2000-15	31	6.9°C	21	5°C	11	9.5°C	12	17.9°C	6	17.6°C	6	17.5°C	8.3	17.6	37	29	25	25
	SE-2000-20	27	8ºC	17	6.2ºC	8	13.1ºC	14	15.4ºC	6	17.6°C	6	17.5°C	11.7	14.6	36	28	25	25
	SE-3000-6	80	2.7°C	52	2ºC	34	3.1°C	53	4.1°C	23	4.6°C	23	4.6°C	3.2	3.5	71	58	46	46
_	SE-3000-7.5	66	3.3ºC	44	2.4ºC	28	3.8°C	28	7.7°C	12	8.8ºC	12	8.8°C	4.0	6.7	62	52	31	31
SE-3000	SE-3000-10	48	4.5°C	32	3.3ºC	18	5.8°C	28	7.7°C	12	8.8°C	12	8.8°C	5.3	6.7	44	36	31	31
SE	SE-3000-15	37	5.8°C	25	4.2°C	14	7.5°C	15	14.3°C	7	15.1°C	7	15°C	7.0	13.5	42	33	29	29
	SE-3000-20	32	6.7°C	21	5°C	10	10.5°C	17	12.6°C	7	15.1°C	7	15°C	9.7	11.7	41	32	29	29
	SE-3300-6	85	2.5°C	55	1.9°C	36	2.9°C	57	3.8°C	25	4.2°C	25	4.2°C	3.0	3.2	75	61	49	49
	SE-3300-7.5	70	3.1°C	47	2.3°C	30	3.5°C	30	7.2°C	13	8.2°C	13	8.1ºC	3.7	6.2	65	55	33	33
SE-3300	SE-3300-10	51	4.2°C	34	3.1°C	19	5.5°C	30	7.2°C	13	8.2°C	13	8.1ºC	5.0	6.2	46	38	33	33
SF-	SE-3300-15	39	5.5°C	27	3.9°C	15	7ºC	16	13.4°C	8	13.3°C	8	13.1ºC	6.7	12.5	43	34	30	30
	SE-3300-20	34	6.3°C	22	4.8°C	11	9.5°C	18	11.9°C	8	13.3°C	8	13.1ºC	9.2	11.0	42	32	30	30

\*Air temperature (empty chamber)

\*\*SE-300 and SE-400s are tested with 25 lbs/11 kg of aluminum sheets, all other models are tested with 50 lbs/23 kg aluminum sheets.

SE-2000-4 limited to -35°C.

Performance is based upon laboratory ambient conditions of 23.9°C, and may vary slightly.

\*IEC specification 600-68-3-5. Based on the time the chamber takes to pass through the middle 80% of the full temperature range when conducting a transition over this range.

Thermotron equipment is not designed to process hazardous materials. Consult an application engineer if hazardous materials are involved.

Additional accessories may impact performance. Specifications subject to change without notice.

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		Approx. Shipping Weight Ibs / kg			equirn 1d Amp			Inlet Gal / Liters	Water s per Minu	te	Noise Level (dBA) Heating / Cooilng
			208/3/60	230/3/60	460/3/60	400/3/50	29°C / 85°F	24ºC / 75ºF	18ºC / 65ºF	13ºC / 55ºF	
00	SE-300-2	1,260 / 571	47	46	23	24					60 / 68
SE-300	SE-300-4	1,300 / 590	57	55	28	29	1	Air-0	Cooled		60 / 74
	SE-600-4	1,500 / 680	54	53	27	28					60 / 74
_	SE-600-6	1,550 / 703	61	59	30	31		Air-0	Cooled		
SE-600	SE-600-7.5	1,600 / 726	69	65	33	34			00.170		
S	SE-600-10	1,835 / 832	69	67	33	34	16 / 60	9/34	7.5 / 28	6/23	60/76
	SE-600-15	1,885 / 855	93	89	44	46	24 / 91	14 / 53	11 / 42	8 / 31	_
	SE-1000-4	1,660 / 753	54	53	27	28		1			60 / 74
_	SE-1000-6	1,710 / 776	61	59	30	31	1	Air-0	Cooled		
SE-1000	SE-1000-7.5	1,760 / 798	69	65	33	34	1				C0 / 7C
S	SE-1000-10	1,995 / 905	69	67	33	34	16 / 60	9/34	7.5 / 28	6/23	60 / 76
	SE-1000-15	2,045 / 927	93	89	44	46	24 / 91	14 / 53	11 / 42	8 / 31	
	SE-1200-4	1,750 / 794	54	53	27	28					60 / 74
0	SE-1200-6	1,800 / 816	61	59	30	31	]	Air-O	Cooled		
SE-1200	SE-1200-7.5	1,850 / 839	69	65	33	34			60 / 76		
	SE-1200-10	2,085 / 946	69	67	33	34	16 / 60	9/34	7.5 / 28	6/23	00770
	SE-1200-15	2,135 / 986	93	89	44	46	24 / 91	14 / 53	11 / 42	8 / 31	
	SE-1400-4	1,800 / 816	61	60	30	32				60 / 74	
	SE-1400-6	1,850 / 839	68	66	33	35		Air-0			
SE-1400	SE-1400-7.5	1,900 / 862	76	71	36	37					
SE-1	SE-1400-10	2,135 / 968	78	73	37	38	16 / 60	9/34	7.5 / 28	6/23	60 / 76
	SE-1400-15	2,185 / 991	102	95	48	50	24 / 91	14 / 53	11 / 42	8 / 31	
	SE-1400-20	2,675 / 1,213	122	113	57	59	40 / 151	22/83	18 / 68	14 / 53	
	SE-2000-4	1,975 / 896	61	60	30	32					60 / 74
	SE-2000-6	2,025 / 918	68	66	33	35		Air-O	Cooled		
SE-2000	SE-2000-7.5	2,075 / 941	76	71	36	37					
SE-	SE-2000-10	2,310 / 1,048	78	73	37	38	16 / 60	9/34	7.5 / 28	6 / 23	60 / 76
	SE-2000-15	2,360 / 1,070	102	95	48	50	24 / 91	14 / 53	11 / 42	8 / 31	
	SE-2000-20	2,850 / 1,293	122	113	57	59	40 / 151	22 / 83	18 / 68	14 / 53	
	SE-3000-6	2,525 / 1,145	68	66	33	35	-	Air-0	Cooled		
00	SE-3000-7.5	2,575 / 1,168	76	71	36	37					_
SE-3000	SE-3000-10	2,810 / 1,274	78	73	37	38	16 / 60	9/34	7.5 / 28	6 / 23	60 / 76
	SE-3000-15	2,860 / 1,297	102	95	48	50	24 / 91	14 / 53	11 / 42	8 / 31	_
	SE-3000-20	3,350 / 1,519	122	113	57	59	40 / 151	22 / 83	18 / 68	14 / 53	
	SE-3300-6	2,695 / 1,222	68	66	33	35		Air-(	Cooled		
00	SE-3300-7.5	2,745 / 1,245	76	71	36	37		1	1		_
SE-3300	SE-3300-10	2,980 / 1,351	78	73	37	38	16 / 60	9/34	7.5 / 28	6 / 23	60 / 76
-	SE-3300-15	3,030 / 1,374	102	95	48	50	24 / 91	14 / 53	11 / 42	8 / 31	-
	SE-3300-20	3,520 / 1,596	122	113	57	59	40 / 151	22 / 83	18 / 68	14 / 53	

Noise Level: A weighted sound pressure level measured at a distance of 1.0 meter (39.4 inches) from the equipment surface and a height of 1.6 meters (63 inches) from the floor in free-field conditions, using a calibrated instrument. Air-cooled indicates that an onboard condenser is standard and a water-cooled condenser is optional. Chambers with listed water requirements can be built with remote air-cooled condensers.

# - SERVICE AND SUPPORT -

Thermotron's comprehensive service department supports your equipment purchase for years after the sale.

Factory-trained Field Service Engineers are located across the United States and throughout the world to assist with equipment start-up, after-delivery service, and preventive maintenance and calibration agreements. Thermotron provides field calibrations accredited to the ISO 17025 and ANSI/NCSL Z-540-1 calibration standards by A2LA under certificate number 1917.01.

Our Parts Department is available for regular and overnight delivery of important parts for your equipment.

Technical Advisors are available to answer



questions and offer advice regarding start-up, service, operation, troubleshooting, and repair of your equipment.

Training Specialists are available to perform comprehensive on-site training at your facility or at our headquarters in Holland, Michigan. Training sessions are customized to ensure proper instruction in the principles of your equipment's operation.

No matter what your service needs are, our worldwide service professionals are available and ready to help over the phone or in person.

### CUSTOM SOLUTIONS -

SE-Series Chambers can be fully customized to fit unique product sizes or to meet special performance requirements. Customers can specify chamber size and performance, as well as additional features such as extended temperature ranges, minimal spark packages, and product fixtures. Contact Thermotron to learn more about our custom solutions.



## ------ NOTES -------

For more than 55 years, Thermotron has provided quality environmental test equipment. We've worked to establish a trusted reputation among our peers, and when people hear the name *Thermotron*, they have confidence in the testing of their own product. We've been building our name since 1962; now it's your turn.



#### THERMOTRON.COM

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