ovens

STERIDIUM

o140

o800

o300

Highest Standards

Steridium laboratory ovens employ the highest standards of design and manufacture to ensure performance and reliability demanded by the world's leading laboratory facilities. The oven chambers are constructed from the highest quality stainless steel to give lasting performance year after year with minimal maintenance.

ovens

Unique air flow system

The unique air-flow system in ***Steridium*** fan-circulated ovens ensures unequalled spatial stability throughout the interior chamber. Air is drawn over the load by a silent yet highly efficient fan system, while air-chutes in the sides of the chamber distribute the processed air evenly over every level. Products on all shelf levels are therefore processed equally at every point in the the chamber to give consistent and repeatable results.

ovens

STERIDIUM

ovens

Micro-Digital Control

Steridium engineers have developed state of the art microdigital control systems to give exceptional control stability over time. An auto-tuning facility in the PID controller ensures that the optimum settings are used on every oven configuration, independent of the chamber size.

The controller includes an alarm system which can be configured as an absolute maximum or deviation alarm. In the unlikely event of a control system failure, an independent mechanical thermostat will activate the alarm and cut off the heating element to protect the product within the chamber.

Remote Control, Data-Logging, and Programmability

The standard oven can be connected to a remote PC via an RS 485 interface, while ***Steridium's*** basic data-logging software enables temperatures to be recorded and displayed graphically on the PC. A number of ovens can be connected together on a simple 2-wire link and remotely monitored from a single PC.

Where full programmability is required, ***Steridium*** engineers have developed the ultimate in setpoint programmable controllers. Up to 50 programmed temperature profiles with 500 segments can be stored in the controller's memory. Powerful software enables temperatures profiles to be pre-programmed and tested on a remote PC before downloading to the controller.

SPECIFICATIONS & OPTIONS

Numerous designs above 1600 litre capacity are available upon request

Custom-made designs are a speciality of ***Steridium's*** engineering expertise

MODEL		o25	o75	o140	o170	o300	o500	o800	o1200	o1600
Chamber Dimensions	width	262	435	515	700	700	700	1490	1490	1005
	depth	300	375	520	600	600	600	610	610	1010
	height	295	440	520	400	750	1200	840	1260	1550
External Dimensions	width	370	540	620	866	866	866	1785	1785	1300
	depth	420	490	640	785	785	785	795	795	1195
	height	620	760	840	1085	1435	1885	1440	1860	2150
Temperature Range		Ambient +5°C to 200°C (higher temperatures available on request)								
Accuracy		<0.2°C variation with time								
Heating Element (kW)		0.7	1.2	1.2	2.2	2.2	2.2	4.5	4.5	4.5
Shelf Spacing		80	80	80	90	90	90	90	90	100
Shelf Positions		3	4	5	4	8	13	8	13	14
Electrical		220-240V, 50-60Hz Single Phase (alternatives available)								
Fan Circulation		Optional	Optional	Optional	Standard	Standard	Standard	Standard	Standard	Standard
Castors		–	–	–	Optional	Optional	Optional	Optional	Optional	Optional
Programmable Control		–	–	–	Optional	Optional	Optional	Optional	Optional	Optional
RS 485 Interface		OPTIONAL								
Countdown Timer										
Temperature Alarm										

STERIDIUM

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