

*The Contherm Series 5000
HS Environmental Chambers
-assuring product conformity
when higher humidity levels and
temperatures at least 10°C above
Ambient are required.*



JUN 04*

5000 SERIES



Series 5000 HS Environmental Chambers -200 and 400 LITRE MODELS

As the global marketplace imposes many quality control standards on technical products, the ability to routinely achieve internationally compliant testing procedures is of the utmost importance. The Contherm Series 5000 HS Environmental Chambers provide that environment, and assist with the attainment of product conformity to global (including military) standards in an international market.

With separate displays for each parameter and an easy-to-use digital control panel, Contherm's proven PLC55 Control System offers self-diagnostic alarm displays and automatic high/low limit protection. Nine on-board user-configurable programs are provided, and to save set-points during power failures, the system is EEROM backed for convenience and reliability. Temperature control between Ambient +10° C to +100°C can be attained, and humidity control is achieved with a highly effective humidity generator incorporating the latest sensor technology, delivering RH control down to ±2%.

An efficient fan-driven vertical air system assures even circulation and diffusion of conditioned air through samples. The Contherm Series 5000 HS Environmental Chambers feature an attractive, corrosion-resistant finish on steel exteriors, with rounded corners to enhance user-friendliness and safety. 75mm of specialised insulation surrounds the polished stainless steel interior and door, which is fitted with a "door-open" sensor. Adjustable stainless steel shelves are also included. A heated inner door of toughened glass with purpose-designed excellent compression seals and hinge system allows excellent visual monitoring of product without disturbing the chamber environment, even at maximum temperatures.

In addition, the outer door is fitted with soft-closing magnetic seals to ensure jar-free closure. A 50mm cable port is fitted as standard equipment in both models.

The Contherm 5000 Series Environmental Chambers offer the research professional maximum performance and reliability, assuring consistent and repeatable results. For enhanced flexibility and documentation, Option Q is recommended.



Control Panel

Manufactured in a quality production environment, these units are designed to NZS6200 and AS3100 electrical standards.

**±2% HUMIDITY CONTROL
at 40°C and 40%RH**
FOR MORE INFORMATION
TALK TO CONTHERM

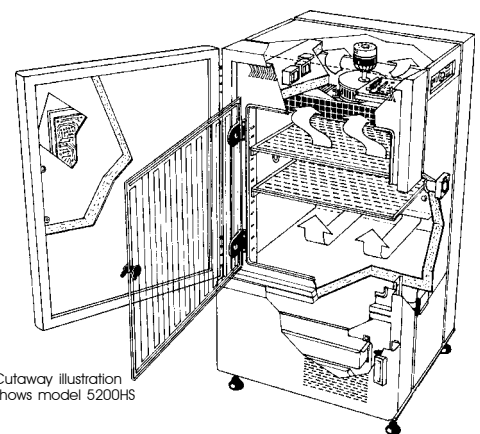


Model 5200HS

Typical Specifications

MODEL	5200HS	5400HS
Dimensions: External (H x W x D) Internal	1445 x 890 x 860 625 x 640 x 540	2045 x 890 x 860 1225 x 640 x 540
Capacity	200 litre	400 litre
Shelves	3 perforated stainless steel shelves	6 perforated stainless steel shelves
Doors	Inner and Outer. (Inner glass door heated)	
Control System	Microprocessor-based digital 9 programmable steps; max. 99hrs. 59min. timer; max. 999 cycles; 2-line alphanumeric display, RS232C Comm. port.	
Air Circulation	Vertical Air System throughout chamber, with air exchange	
Temperature: Range Fluctuation Uniformity Heating rate in 45 mins.	Ambient +10°C to +100°C in 0.1°C steps ±0.3°C ±0.75°C Ambient +10°C to +70°C	
Automatic/Manual Safety	Automatic 2.0°C above and below set point. User-adjustable high limit. Earth leakage circuit-breaker.	
Humidity: Range Temp. range for RH control	40%RH to 98%RH (see graph) Ambient +10°C to 70°C	
Power requirements	230-240VAC 50Hz, 900W	230-240VAC 50Hz, 950W
Weight	115kg	150kg
Packed Weight	155kg	190kg
Options (popular items are listed -enquire for full list)	Comms. program-Option Q; Additional shelves and guides-Option SG; Castors-Option XP; Additional cable port-Option Z.	

All testing performed at 40°C in an ambient of 20°C



Cutaway illustration shows model 5200HS

More technical information is available from the Contherm Techspec Library. Refer to our website for current information. The word 'Contherm' is the property of Contherm Scientific Ltd. *Warranty covers components and labour for 1 year. Full warranty applies only with regard to published pricelist. The information contained in this brochure is correct at time of printing but is subject to change without notice.

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