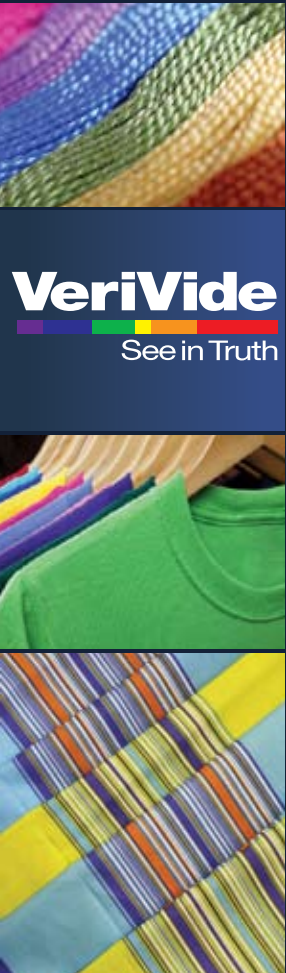


Conditioning Cabinet



VeriVide
See in Truth



ARTIFICIAL DAYLIGHT

INTERNAL SHELVES

COMPACT AND EASY TO USE

The colour of textiles can change significantly due to the affects of the ambient temperature variations and / or high or low humidity levels of the immediate area, resulting in fluctuations in the moisture content of the sample.

Consequently when the sample is measured or assessed for colour matching and dyeing consistency, decisions can be based on inconsistent and unreliable results.

Similarly when the quality parameters are tested the fabric should be tested under a known and constant temperature and humidity.

CONSISTENCY

To ensure product consistency of textiles, fibres and blends throughout the increasingly diverse global supply chain it is essential that product is appropriately controlled for humidity and temperature and the material preconditioned when specified.

Conditioning of textiles should take place in a room or chamber where the temperature and humidity are constant and in some cases exposed to Artificial Daylight lighting.

The TCC09 Textile Conditioning Cabinet is an easy to use compact unit that will fit into any factory, laboratory or office. It is specially designed to condition textiles to achieve the test method requirements of the major retailers for the instrumental colour measurement of textiles. It has three steel shelves in fixed position for correct conditioning of samples.

The TCC09 also conforms to the pertinent ISO and ASTM standards and AATCC procedures which define the standard atmosphere for textile testing to be a relative humidity of 65% ($\pm 5\%$) and ambient temperature of $20^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ($68^{\circ}\text{F} \pm 3.6^{\circ}\text{F}$).

This cabinet allow the humidity and temperature to be set at specified levels ensuring correctly conditioned fabric at a fixed temperature and relative humidity prior to their measurement or testing offering opportunities of worldwide consistency. It is also fitted with a constant exposure to D65 light allowing stability of conditioning to light.

Consequently the quality control of product for colour or technical performance, both during development and production, is vastly improved as the variables which previously caused inaccurate and inconsistent results, are now controlled and stable.

OPERATING METHOD

- Digital touch screen control for temperature and humidity.
- Lighting can be on or off.
- Visible indication of over and under achievement of temperature and humidity.
- A fan provides circulated air to ensure consistent and accurate humidity and temperature inside the chamber.
- Electronic heating and cooling, no plumbing or refrigeration required.

LIGHTING

- Daylight Illumination to CIE 51.2.
- Economical low energy light with extended lamp life.

TECHNICAL DATA

- Standard nominal fixed temperature: 20 °C
- Standard nominal relative humidity: 65 % RH
- Fast recovery time after opening the cabinet door - typically less than 2 minutes.

REGULATORY COMPLIANCE

Compatible with the following technical standards:-

- ASTM D1776 - 08e1 Standard Practice for Conditioning and Testing Textiles.
- ASTM D618 - 08 Standard Practice for Conditioning Plastics for Testing.
- AS 3706.1-2003 Geotextiles-Methods of test - General requirements.
- ISO 139:2005 Textiles - Standard atmospheres for conditioning.

WATER SUPPLY

- Bottled water reservoir for simple installation and convenient operation. The unit uses water supplied from any small (330ml or 500ml) commercially available bottled water. An adapter for fitting bottle to inlet supplied.
- Gravity Drain for condensate removal, collection at floor level required.

DIMENSIONS (mm)

	Width	Height	Depth
EXTERIOR DIMENSIONS	800	750 **	582
*Allow 50mm for door lighting feed.		**780mm including feet.	
INTERIOR CHAMBER DIMENSIONS	510	560	450

CAPACITY / CONDITIONING TIME

Internal volume:	1.2m ³
Number of Shelves:	2 (3 including base)
Size of Shelves mm (w x d):	390 x 380
Approx. Sample Capacity:	30 (Sample size dependant)
Approx Sample Conditioning Time:	30 mins (Sample material dependant)

TEMPERATURE / HUMIDITY

Standard Temperature Setting:	20°C (68°F)
Standard Humidity Setting	65% R.H.

LIGHTING

Number of Lights:	2 Artificial Daylight tubes.
Standard Humidity Setting:	65% R.H.

POWER

Power Voltage:	230 V
Power Frequency:	50 Hz
Power Wattage:	2300 W

OTHER INFORMATION:

Weight:	50 kilos
Recovery Time:	2 minutes *
* Back to ambient environment (20°C, 65% R.H.) after opening door for 30 seconds.	



CONTACT

+44 (0)116 284 7790

enquiries@verivide.com



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CONTACT DETAILS

VeriVide Limited.
Quartz Close,
Warrens Business Park,
Enderby, Leicester. LE19 4SG
United Kingdom
Tel: +44 (0) 116 284 7790
Fax: +44 (0) 116 284 7799
sales@verivide.com
www.verivide.com

Distributeurs
Verson Vlies Courcier Sarl
VVC
ZA des Wattines, 5
Pavé d'Halluin
F-59126 LINSELLES
T : 03.20.46.59.66
F : 03.20.03.17.38
info@vvc.fr