

Desiccator/Humidity Cabinet

Townson
+Mercer

- ◆ Easy setting with a temperature indicated scale.
- ◆ Rapid air circulation over the desiccant tray and shelves giving swift stabilisation of humidity and temperature.
- ◆ Stainless steel desiccant tray.
- ◆ Controlled temperature distribution over each shelf.
- ◆ RH stability between 0 and 100% can be obtained using appropriate substances at ambient temperatures.
- ◆ Spring loaded door mechanism maintaining cabinets seal and internal atmosphere.
- ◆ Solid state electronic control and switching, gives greater stability and prolongs life of control circuit.
- ◆ Indication of moisture change from direct reading hygrometer.
- ◆ Accurate and controllable up to 50°C±1°C fluctuation.
- ◆ All units are CE marked and manufactured to the highest standards under ISO 9001.



The Desiccator Cabinet is a direct development from its popular predecessor.

Customers' experience gained over the past years has enabled us to develop the Townson and Mercer Desiccator/Humidity Cabinet to a new level of operating excellence.

Applications

- ◆ For dry storage of specimens.
- ◆ For testing specimens under constant humidity.
- ◆ For environmental testing of electrical assemblies, metallic products, natural and synthetic materials.



RTM
GROUP

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The Desiccator Cabinet can achieve temperature stability within an hour of setting.

Our recommendations for chemicals to give different RH values are conveniently printed on the cabinet next to the control panel.

These recommendations are only correct at 20°C. Changes in humidity will differ from as little as 0.02% to as much as 0.8% per °C above 20°C.

An excess of solids must always remain in the dissolved solution, i.e. a saturated solution must be maintained.

If wet objects are placed in the cabinet, surplus moisture is absorbed into the solution and more solids dissolve until constant humidity conditions are restored.

Vice versa, dry objects cause more solids to be precipitated and, again, constant humidity is restored.

Townson & Mercer will also supply special Desiccator/Humidity Cabinets to accommodate your specific sample requirements.

Customised unit specifications are available on request.

A range of Humidity Chambers are available to cover humidity testing requirements which fall outside the range of the Desiccator/Humidity Cabinet.

Specifications – standard model

CABINET SIZE		H	W	D
External (overall)		570	410	300
Internal		430	325	185
CONSTRUCTION				
Cabinet:		Stainless Steel		
Door and shelves:		Plate Glass		
Fittings:		Plated/Painted Steel		
FINISH				
Interior:		Stainless Steel		
Exterior:		Powder coated		
SUPPLY				
Voltage		220/240 volts 50/60 Hz		
Power		200 watts		
WEIGHT				
Packed		22kg		
Nett		17kg		
PACKED DIMENSIONS		H	W	D
		820	550	430

*Dimensions in mm's.

*All figures are approximate and exclude protrusions.

Ordering Details

Model	Desiccator/Humidity Cabinet Mark III
Catalogue No.	048000648
ACCESSORIES	
Thermometer -10°C to +50°C	02601270
Thermometer support blocks (pair)	04800730

