



# TESLA TEST SYSTEMS

ENVIRONMENTAL, TEMPERATURE & HUMIDITY TEST CHAMBERS

The complete supplier of Temperature & Humidity Environmental Test Chambers, Heating/Drying Ovens and Support Services.

**“The Unique independent Solutions Provider for All Your Temperature & Humidity Test Equipment Requirements”**

## Binder KBF & KMF Constant Climate Chambers

The excellent Binder KBF & KMF series Constant Climate Chambers are designed for long term humidity testing of assemblies and materials and the long term storage of temperature and humidity sensitive materials and products. They are fitted with heating, cooling and humidity systems that are capable of maintaining the set conditions for many weeks or months with no intervention required for maintenance or adjustments.

The chambers are fitted as standard with a fully programmable microprocessor PID controller with colour graphical LCD display for programming and monitoring the test parameters, they are also fitted with an Ethernet communications port for connection to a remote PC for programming and Data logging via our APT-COM software package.



### Features and Benefits of the KBF & KMF Constant Climate Chambers

- Electronically controlled APT.line™ preheating chamber and refrigerating system assuring temperature accuracy and long term stable reproducible results
- Temperature range **KBF +0 °C to +70 °C, KMF -10 °C to +100 °C** (without humidity)
- Temperature range 10 °C to 90 °C (with humidity)
- Humidity range **KBF 10 % to 80 % RH, KMF 10% to 98% RH**
- MCS controller with 25 storable programs of 100 sections each for a maximum of 500 program segments
  - User friendly LCD screen
  - Easy-to-read menu guide
  - Integrated electronic chart recorder
  - Variety of options for the graphic display of process parameters
  - Real time clock
- Electronically controlled humidification and dehumidification system with capacitive humidity sensor
- Heated door
- Inner glass door with sealing
- Independent adjustable temperature safety device class 3.1, providing full protection against chamber over-temperature, with visual and audible temperature alarm
- Access port with silicone plug Ø 30 mm, left side
- Safety connection kit for water supply and drainage, including water hose, total length 6 m
- Ethernet interface for connection to a PC for programming and Data logging via the APT-COM™ Data Control System software
- BINDER Communication software APT-COM™ 3 Basic Edition (**KMF ONLY, optional for KBF**)
- Stainless steel Shelf (**KBF 2 off Shelves, KMF 1 off Shelf**)

- 4 casters with 2 brakes, KBF 115 & KMF 115 fitted with feet for bench, trolley mounting
- Powered by a 230V 13 amp, 50Hz supply
- BINDER test confirmation
- Available with an extensive range of optional accessories to customise the chambers to the users exact requirements
- Delivered from stock within 3-4 weeks



These chambers are supplied in a range of sizes as follows:-

- 115 litres 600 x 400 x 480mm (Internal WxDxH)
- 240 litres 735 x 443 x 700mm (Internal WxDxH)
- 720 litres 1200 x 600 x 1020mm (Internal WxDxH)

**For Advice & Assistance  
Please Telephone Us On 01772 600771**



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