



The b500 Electronic operates in accordance with the evaporation principle which is proven to be one of the best methods for humidification as it ensures that no calcium deposits or water precipitation can form.

Great importance has been attached to ensuring virtually silent operation in an environmentally friendly manner. The humidifier is electronically controlled, an integrated hygrostat keeps the humidity at the required level. In addition to thoroughly humidifying the air, the b500 Electronic also serves another purpose, it filters, purifies and rids the air of dust. Furthermore, it prevents static from forming.

The unit operates on normal or purified tap water. The b500 is normally filled by hand, however, the connection facilities to add an automatic water supply and overflow are already provided on the unit.

Its elegant, timeless design ensures it blends discreetly into any surroundings. The housing is made of the most durable plastic, designed to be anti static, resistant to acid and alkali, absolutely corrosion-proof and dimensionally stable. Cleaning poses no problems as the relevant assemblies can be removed from the unit without the use of tools.

The design pays particular detail to safety features. A screen guard protects all moving parts such as the blower wheel and pump vanes. The water tank is fitted with a baffle system in order to avoid spillage when moving the unit. Once the supply of water has been used up, the humidifier turns itself off automatically. The b500 Electronic is a compact environmental monitoring solution.

## b500 humidifier

**Product Code** Z100  
**Series** Control

### Typical Applications

- ° Computer rooms
- ° Stability rooms
- ° Cold stores
- ° Controlled manufacturing

### Instrument

**Dimensions:** 75.5 x 62 x 36.5 cm  
**Weight:** 24 kg  
**Power Supply:** 240 volts 50/60Hz AC 1.5kW  
**Case Materials:** Durable anti-static plastic  
**Colours:** White, light grey, anthracite  
**Controls:** Electronic accessed via remote control  
**Evaporation capacity:** 2.5l/h at 25°C and 20% RH  
**Evaporation filter area:** 800 m<sup>2</sup>/h 3.5 m<sup>2</sup>  
**Water Capacity:** 50 litres

### Radio Transmitter (if fitted)

**Dimensions:** 110 x 67 x 23 mm  
**Weight:** 265 grams  
**Power Supply:** 9 volt PP3 battery  
**Battery Life:** 18 months

### Humidity

**Sensor:** Vaisala capacitive polymer  
**Humidity Range:** 0 to 100% RH (non condensing)  
**Sensor Accuracy:** +/- 2% over full range  
**Resolution:** 0.1%  
**Switching Hysteresis:** Programmable between 1 to 5%  
**Radio Frequency:** 434.075 MHz  
**Radio Power:** 10 mW  
**Transmit Rate:** Every 2.5 minutes

### Accessories

Hanwell radio control  
Automatic flood detection  
Air scoop to duct output  
Water monitor  
Air cleaning filters  
Manual/automatic flushing