

**PRACTICAL ADVANTAGES:**

Preservation of value thanks to humidity optimisation

optimum value for money in every device class

automatic hygrostatic control of humidity in rooms up to 420 m<sup>2</sup>



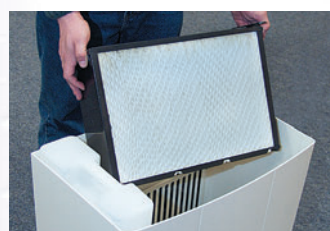
**Correctly humidified and temperature-controlled air prevents damage!**

**Loss of value as a result of dry air:** Particularly in closed, heated rooms, the relative humidity often falls well below the optimum value of 45 - 55 %. Furniture, antiques, paintings, musical instruments and books can suffer serious damage if the air is too dry. In call centres and computer rooms, electrostatically charged data storage devices can cause costly errors.

*Reliable humidification and filtration of the ambient air can protect and preserve valuable or delicate works of art or items of furniture!*

# Mobile humidifier

for the optimum automatic regulation of humidity in homes and offices, bookshops, museums, etc.



**B 200 eco – Practical advantages:**

Automatic humidity regulator

Automatic power-off

Quiet running mode for night time

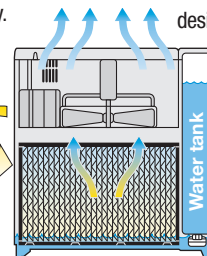
**B 200 eco – the reliable, optimum value-for-money humidifier for rooms up to 600 m<sup>3</sup>...**

The B 200 eco draws in the dry ambient air and humidifies it via a replaceable evaporation filter, which is remarkable for its efficiency and durability.

care Filter™ with an activated charcoal system.

An integrated hygrostat regulates the desired humidity.

At the same time mineral residues are filtered out of the air, and dust particles and odours are also removed by a similarly replaceable two-stage 3M™ Air-



In addition to the water bottle, which can be quickly removed for filling, all of the B 200 eco's other modules can be removed and cleaned simply without the aid of tools.

**B 250 – Fully electronically controlled disc humidifier...**

The B 250 – a fully electronically regulated humidifier with an air filter and adjustable vent – operates by the cold evaporation principle:

The air is drawn in through a filter, cleaned and directed through a rotating moistened filter disc, where it absorbs the required moisture which is then

evenly distributed back into the air in the room, with no condensation.

**Humidity control**

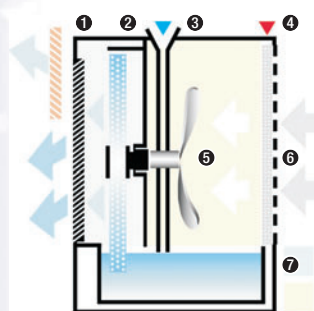
The current relative humidity is indicated by an electronic sensor: Simply set the desired humidity level in the device and the B 250 takes control automatically.

**Keypad lock**

To protect the humidifier from unauthorised tampering, you can lock the keypad by entering a key combination.

**Radio sensor measurement**

More accurate measured values can be obtained by means of the optional factory-fitted wireless radio sensor system. The sensor is mounted in a suitable place within the measuring range, enabling the humidifier to be controlled at a distance of up to 30 metres.



1) adjustable vent; 2) filter disc; 3) top up water; 4) replace filter; 5) fan; 6) drawn-in ambient air; 7) wet area

**B 250 – Practical advantages:**

Fully electronic control

Clearly-designed operating panel with indicators for nominal and actual R.H. in %, water level and fan speed

Air filtration via separate filter in the intake area

2-speed fan and automatic operation

Adjustable vent

**Water level indicator**

The water level is indicated on the operating panel. If the water tank is empty, the B 250 switches off automatically and a flashing lamp indicates that the water tank should be refilled.

**Optional equipment for the B 250:** automatic water supply, water monitor, safety pressure hose, retrofitted radio sensor.

**Sterilising accessories:**  
Ionic silver stick for germ-free water. Simply place it in the water container. It eliminates over 650 types of bacteria and viruses.

In addition to the ionic silver stick, we also recommend that you add a suitable sterilising agent to the water in order to prevent the growth of algae and germs as well as lime scale. Include in your order if required.

## B 400 – Powerful disc humidifier for large rooms

### B 400 – Practical advantages:

Clearly designed operating panel with hygrostat and fan control and level indicators

Rotating evaporation fleece cleans and washes the air

2-speed fan

Automatic power-off

Adjustable vent grid

Robust, powder-coated sheet steel construction

The B 400 combines great evaporation performance with economical continuous operation in a sturdy housing.

The hygrostatically controlled disc humidifier directs the drawn-in air through a rotating, fleece-covered humidifying drum which moves through a water bath.

Thanks to the permanent rotation, the air is effectively washed and at the same time humidified before being evenly distributed back into the air in the room without condensation, by means of a 2-speed fan.

The B 400's quiet-running synchronous motor enables even large rooms to be humidified without running up large electricity bills.

Thanks to the rotation technology and evaporation fleece, regular maintenance can be carried out quickly and easily. All parts are easily removable and can be washed out under running water.



The water level is indicated on the operating panel. If the water tank is empty, the B 400 switches off automatically and a status lamp indicates that the water tank should be refilled. Refilling is carried out via the convenient filler tube on top with quick fastening cap.

**Optional equipment for the B 400:**  
Automatic water supply

## B 500 radio – State-of-the-art hygiene technology!

### Radio-controlled humidification, cleaning and filtration...

The B 500 operates by the evaporation principle. Lime scale and condensation cannot occur, and excessive humidification of the air is impossible.

The electronically controlled humidifier is virtually silent in operation. Its particularly quiet radial fan can be controlled manually with four output levels, or fully automatically. An integrated hygrostat, which can be calibrated, regulates the desired humidity. The infrared remote-control ensures safe operation of the humidifier: unauthorised personnel cannot tamper with the settings on the device!

### Added safety thanks to the self-diagnosis system...

The clearly designed operating display with user-controlled menu provides information about all operating settings such as water level, fan speed and relative humidity. The self-diagnostic system indicates necessary filter replacement and any faults, including error codes. Error messages can also be relayed directly to an external or central alarm system if required by means of an integrated alarm relay.

Besides thoroughly moistening the air, the device also cleans and filters the air, removes dust and prevents the build-up of electrostatic charges.

To reduce the concentration of salt in the water and lime scale deposits, the B 500 can be fitted with a manual or fully automatic flushing device. The device operates with normal or treated tap water; the water supply is controlled either manually or fully automatically by means of an electronically controlled solenoid valve.

### Simple maintenance and care thanks to modular construction...

The B 500's plastic housing is antistatic, resistant to acids and alkalis, and is corrosion-resistant and sturdy. Due to the modular design, the individual assemblies can be easily removed for cleaning and maintenance without the use of tools – moving parts are protected behind grilles. Furthermore the device is fitted with baffles in the water tank and switches off automatically when the tank is empty.

### Radio sensor measurement up to a distance of 30 m

More accurate and stable measured values can be obtained by means of the wireless radio sensor system.



The sensor can be mounted easily and discretely in a suitable position within the measurement range – e.g. on the wall or the ceiling – and ensures reliable and regular measurement and control of the humidifier over a distance of up to 30 metres.

### B 500 radio – Practical advantages:

IR remote control for secure operation: unauthorised personnel cannot tamper with the settings

Accurate radio sensor measurement for precise humidity control

Central operating panel with an overview of all operating settings

Self-diagnostic system

Built-in baffles

Labyrinth filter system and cleaning filter set for air cleaning

The reliable technology delivers accurate and stable results for 5 years, with a maximum deviation of 3 % of the humidity measurement. The B 500's standard sensor is battery-powered and is fitted with an audible alarm for low battery power.

### Optional equipment for the B 500:

UV sterilisation unit, automatic water supply via solenoid valve, water monitor, safety collecting basin, safety pressure hose, safety water sensor, automatic or manual flushing device with flushing pump, activated charcoal cleaning filter set, air hood.

More information on our current modules and the use of humidifiers can be found on our website at [www.trotec.com](http://www.trotec.com)!



Technical data	B 200 eco	B 250	B 400	B 500 radio
Item no	LB6000103	LB6000105	1.160.000.400	LB6000110
Mains supply	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz	230 V/50 Hz
Power consumption approx.	150 Watt	50 Watt	45 Watt	125 Watt
Evaporation capacity approx.	1.8 l/h (at 26 °C / 60 % R.H.)	1.2 l/h (at 23 °C / 45 % R.H.)	2.5 l/h (at 21 °C / 30 % R.H.)	2.5 l/h (at 25 °C / 20 % R.H.)
Air flow max.	500 m <sup>3</sup> /h	500 m <sup>3</sup> /h	790 m <sup>3</sup> /h	800 m <sup>3</sup> /h
Fan speeds	3	2	2	4
Use in rooms	up to approx 600 m <sup>3</sup>	up to approx 450 m <sup>3</sup>	up to approx 900 m <sup>3</sup>	up to approx 1,050 m <sup>3</sup>
Water reservoir approx.	19 litres	25 litres	34 litres	50 litres
Operating noise level dBA	35 - 45*	34 - 40*	29 - 49*	32 - 44*
Air filter	integrated	integrated	integrated**	integrated
Hygrostat	internal	internal	Internal	radio module
Remote control	–	–	–	yes
Dimensions L x W x H mm	345 x 550 x 580	300 x 600 x 670	316 x 625 x 720	365 x 755 x 620
Weight (empty) approx	13 kg	20 kg	18.6 kg	24 kg
Available colours	white	grey & white	grey & white	white / light grey/anthracite
Mobility	castors			
Recommended accessories	Water-fresh, ionic silver stick			
* depending on fan speed ** air filtering/cleaning via rotating evaporation fleece				

