

ELECTRONIC *B250*

EVAPORATION AIR HUMIDIFIER

*Healthy and value-
conserving indoor climate
through air humidification!*





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„The B 250 at a glance“

Live and work healthier with optimum humidity: warm air can retain more humidity than can cold air. For this reason, the proportional humidity in room air is measured in % relative humidity – whereby approx. 50-60% rel. humidity is regarded to be optimal. In living rooms, an ambient temperature of 20-23°C is considered ideal, while the ideal temperatures for bedrooms and work areas are 18°C and 18-23°C respectively. A constant, agreeable humidity level is achieved by adding moisture to the room air, particularly in the winter months.

Key benefits:

- Full electronic control
- No installation required; plugin and ready-to-use: portable (casters) or stationary
- Easy-to-use operator panel with displays for actual and desired % r.h., water level and fan stage
- Space-saving and can be built in
- Economic operation – low-noise operation, minimum power consumption
- Air cleaned by a separate filter in the intake area
- 2-stage fan and automatic function
- High evaporation rate utilising a 3m² filter area
- Uses normal tap water and has a large water reservoir (25 ltr.)
- Precipitation-free humidification
- No lime deposits on room furnishings and fittings

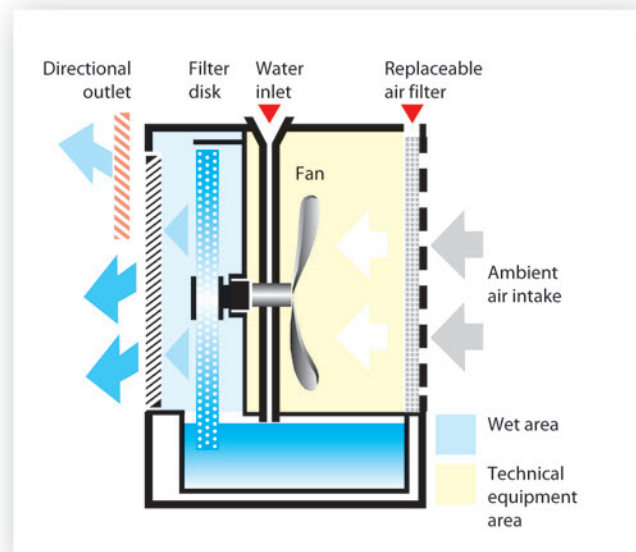
Typical examples:

- Living areas
- Offices
- Exhibition rooms
- Production facilities
- Libraries
- Museums
- Galleries
- Sanatoriums
- Humidors
- Data processing facilities
- Telephone exchanges
- Laboratories
- Book shops
- Print shops
- Hospitals
- Wine Cellar
- etc.

A proven principle:

Function

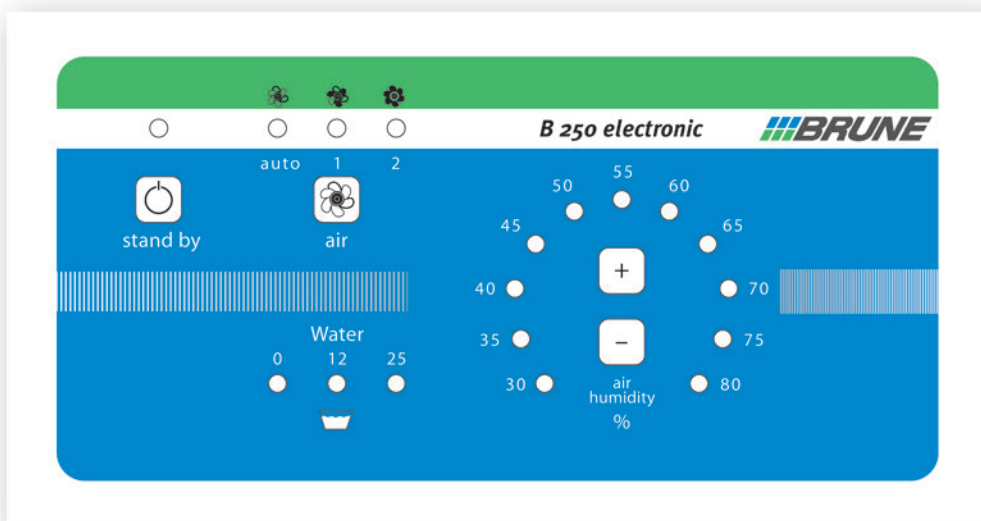
The B 250 humidifier operates on the basis of the cold evaporation principle, generally recognised as being the best. Air is taken in through a special air filter to provide additional cleaning. The air then passes through a rotating, moist filter disk whose special pore structure provides a particularly large evaporation surface area. Here, the air absorbs the required level of moisture. The now humidified air is then uniformly exhausted into the ambient air, without the risk of precipitation.



Fan

Depending on your needs, different fan speed stages are available (1/2/auto). In the "auto" mode, the electronics assumes all control functions, naturally providing precisely the right output; where the difference between the desired and actual humidity is very great (high demand), the fan switches to a higher speed. As the demand decreases, the fan speed again reduces itself automatically to the required level.

the disc evaporator



Operation

Everything you need is available at a glance. The clearly laid out operator panel shows you everything you need. By simply pressing the corresponding button you can change the settings for air flow and humidity to suit your needs. The highest level of comfort and precision reflecting the latest state of the art.

Humidity regulation

The **B 250** always keeps you informed. An integrated electronic sensor measures the current relative humidity and indicates it on the display. You define and save your desired humidity level and the unit assumes full control for its regulation.



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Water level indicator

The water reservoir does not need to be removed. The operator panel displays the current water level in the humidifier. If the reservoir is empty, the unit automatically switches itself off, and a flashing indicator signals that water must be added.

Keypad lock

To avoid unauthorized access to the humidifier controls, a special key combination can be used to prevent input. This assures you that your settings are permanently saved and can only be changed by an authorized procedure.

Filter

The **B 250's** evaporator filter medium is made of a special filter foam whose open pore structure provides a very large surface area, thus allowing higher evaporation performance.

Its sturdy structure is an additional point in its favour – so strong, in fact, that it is used as filter material in aquariums. And its unique surface treatment also helps reduce germ formation.

Options

If desired, the **B 250** humidifier can be connected directly to a water main. The electronic controls automatically regulate water intake via a solenoid. For reasons of safety, we recommend the employment of a water monitor, the safety collection reservoir and the safety pressure hose.

On request, we can provide a ready to connect unit with automatic water replenishment directly ex works.

B250

TECHNICAL DATA

TYPE OF CONSTRUCTION

| | |
|-------------------------|-----------------------|
| Colour housing*: | RAL 9002, grey/white |
| Colour exhaust screen*: | RAL 7004, signal grey |
| Size (W x H x D): | 60 cm x 67 cm x 30 cm |
| Housing: | galvanized metal |
| Exhaust screen: | plastic |
| Empty weight: | approx. 19 kg |

CHARACTERISTIC VALUES

| | |
|----------------------|-------------------|
| Mains connection: | 230 V / 50 Hz |
| Power consumption: | 50 watts |
| Water tank capacity: | approx. 25 litres |

OPERATING DATA

| | |
|-----------------------|---------------------------------|
| For room sizes up to: | max. 500 m ³ |
| Air flow: | 300/500 m ³ /h |
| Evaporation rate: | 1.2 ltr./h at 23°C and 45% r.h. |
| Running noise: | 34 - 40 dBA |

ACCESSORIES

- Safety pressure hose for direct water connection
- Water monitor incl. sensor
- Safety collection reservoir as additional protection against leakage
- Automatic water supply

Subject to technical modifications

*Colours may vary from actual device/ device housing colour due to printing



Luftbefeuchtung Proklima GmbH

Schwarzacher Straße 13 • 74858 Aglasterhausen
Germany

Phone: +49 (0) 62 62 / 54 54

Fax: +49 (0) 62 62 / 32 55

E-mail: mail@brune.info

Website: www.brune.info