

PROFESSIONAL *B500*
A PEAK PERFORMER

*German engineered for
your perfect indoor climate!*





humidors



larger private homes



galleries/museums



music rooms

PROFESSIONAL

A PEAK PERFORMER

"The B 500 at a glance"

- Made in Germany
- The only mobile humidifier with the option for direct water supply and a high output capacity sufficient for areas up to 4200 sf.
- Ready to use. No installation required
- Use of normal tap water
- No "white dust" limescale deposits on your valuable furniture or electronic equipment
- Whisper quiet operation due to 5-step automatic fan
- High humidity output
- Environmental-friendly organic filter
- Simple service and maintenance through modular design
- Safe transport and ultimate mobility due to steering casters and spill-over protection
- Self-diagnosing system display for maintenance and malfunction
- Filter change and water level display
- UV sterilisation
- Optional Activated Charcoal clean air filter
- Direct water connection with automatic flush-cleaning (optional)
- Safety accessories (optional)
- Economical operation
- High degree of accuracy through wireless sensor control
- 11 gallon water reserve basin

Typical application examples:

- Larger private homes
- Offices
- Music rooms
- Libraries
- Museums and museum storage rooms
- Galleries
- Parquet floors
- Data processing rooms
- Call centers
- Laboratories
- Antique book and furniture stores
- Print shops
- Hospitals
- Walk-in humidors
- etc.

PERSONAL B500



“Clean, reliable and convenient”

Wireless sensor controlled!

The wireless hygrostat, ranging up to 300 ft., constantly measures the humidity in the room and connects directly with the B 500 Professional. The output will then be adjusted automatically.

The digitally measured values are so accurate that the deviation over 5 years use is at a maximum of only 3%. The hygrostat can easily be mounted to the ceiling with a zip tie. Its integrated signal generator warns when a new battery is needed.



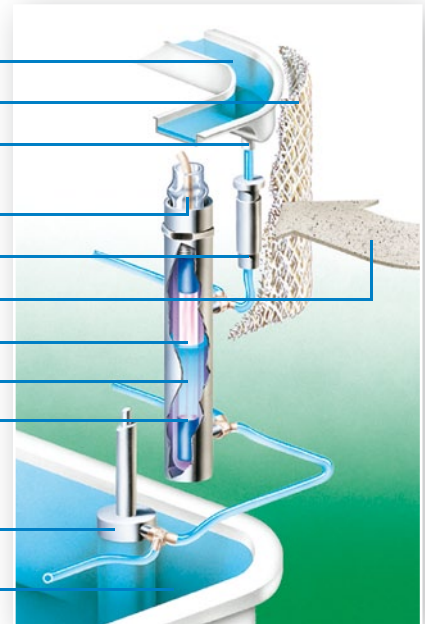
B500 PROFESSIONAL

UV-sterilization and optional limescale conversion cartridge

Simple and hygienic - The use of the UV-sterilization and limescale conversion cartridge reduces the bacteria growth and avoids limescale deposits in the humidifier and on your valuables.



- Water distribution
- Bio-filter
- Limescale conversion cartridge with perma magnet
- Crystal glass tube
- VA tube
- Air inlet
- UV radiator
- Sterilised water
- Sterilised area
- Pump
- Water container



"Simply clean!"

The B 500 Professional can be retro-fitted to an air cleaner using the optional activated charcoal filter set. Dust and odors will be filtered out of the air.

Air-suspended particles and minerals in the water are retained by the evaporation filter and in the water basin by nature of the cold evaporation process.

The UV treatment technology and the optional limescale conversion cartridge always guarantee optimal water quality, therefore the B 500 Professional guarantees a healthy and well humidified indoor climate at all times.

A low pressure mercury UV lamp, kills most microorganisms effectively by stabilizing the water which then flows back into the humidifier water basin with a significantly reduced number of bacteria.

The effectiveness of the UV sterilisation was tested at the renowned German Fresenius Institute in September 1993:

'The device with UV sterilisation (Pr.Nr. 93TM062867) led to a significant reduction in the number of aerobic bacteria by approximately three times the power of ten in comparison to the device without the UV sterilisation (Pr.Nr. 93TM062868).'

The optional limescale conversion cartridge generates a magnetic field by a permanent magnet which changes the molecular structure of the lime-scale so it no longer gets airborne and shows as "white dust" on surfaces of furniture and electronic devices. This way, clean, softened water with a significantly reduced number of bacteria is continuously supplied to the filter.



“Simply convenient!”

The B 500 Professional works with normal tap water. An optional direct water kit can be retrofitted so that manual filling is no longer required. The direct water supply kit uses an electronically controlled solenoid magnetic valve which opens at the minimum water level and closes when the maximum water level is reached.

An optional automatic flushing kit is also available for the B 500 Professional. This enables the complete exchange of the water in the unit with even further reduction of built-up of limescale and other deposits.

The residual water is pumped out of the basin by a separate flushing pump and automatically replaced with fresh water by the direct water connection. You can manually control the flushing or program an automatic flushing interval via remote control.

The flushing pump can also be used as a safety pump. If the maximum filling level is exceeded, it removes the extra water until the normal filling level has been reached again.

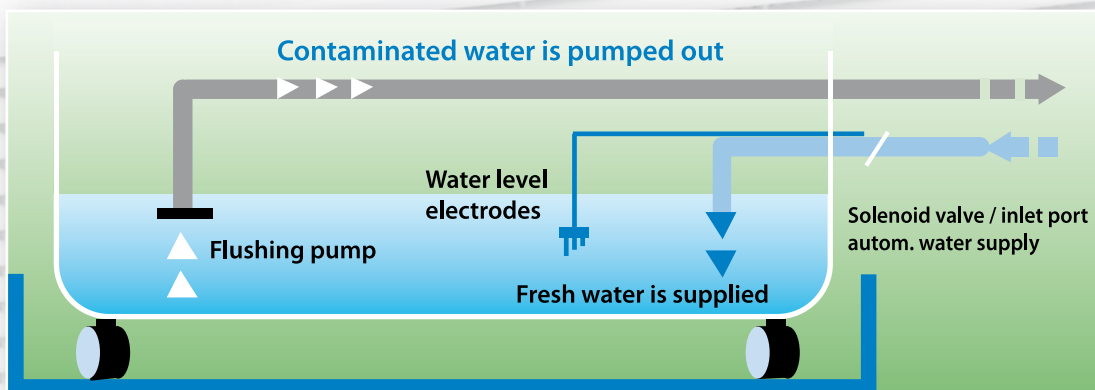
“Simply reliable!”

Operating and programming through the supplied infrared remote control, eliminates undesired manipulation of the settings by unauthorised persons (e.g. in public rooms such as museums etc.).

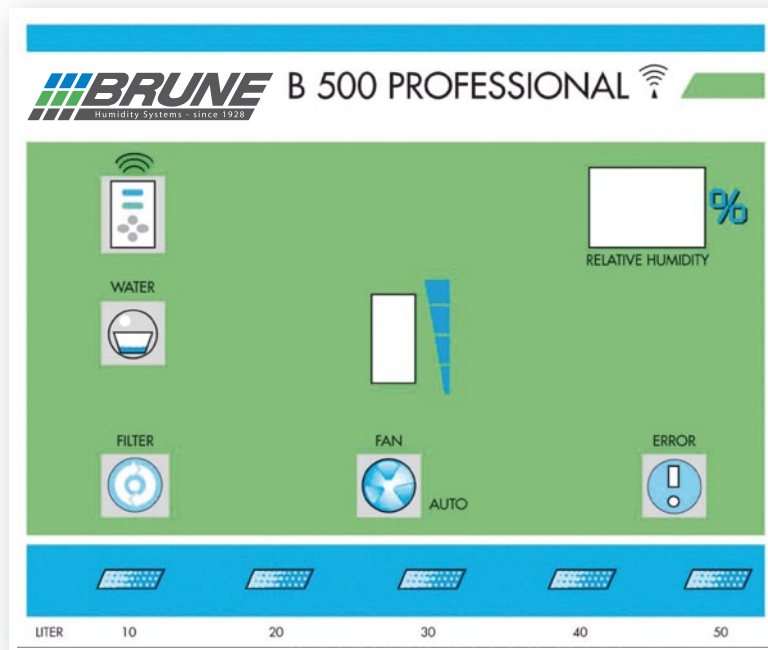
The self-diagnostic system assists you in detecting needed filter replacement and warns in case of malfunction. Detected anomalies can be forwarded to an external system via an alarm relay.

A double-walled basin with spill-over protection prevents from spilling water when the B 500 Professional is moved.

Integrated water level electrodes not only guarantee that the exact water level is displayed, but also make sure that the B 500 Professional is automatically switched off if the minimum water level is reached.



PROFESSIONAL B500



“Simple operation!”

The B 500 Professional operating display gives precise information about the current room humidity and the operating status (water level, fan setting, filter replacement display, any malfunctions, etc.).

The operation and programming of the B 500 Professional such as fan-settings, fan speed, the room target humidity or the other automatic operations is done through the infrared remote control which comes with the unit.

Fan!

Now even...

- higher output
- more energy efficiency
- quieter operation
- simpler maintenance

The B 500 Professional whisper quiet radial fan offers 5 settings. There are 4 manual settings and one automatic setting available.

The automatic setting self-adjusts the fan's rpm dependent on the output requirements and keeps the B 500 Professional's working at its optimal performance.



Our references!

Germany:

- Museum Hesse Kassel
- Art Institute Frankfurt
- Museum Braunschweig
- Museum of History Frankfurt
- State Art Hall Karlsruhe
- Art Hall Hamburg
- Museum of Art and Industry, Hamburg
- Bucerius Art Forum, Hamburg
- Museum of History for Art and Culture, Lübeck
- State Museum Berlin
- Bauhaus, Dessau
- Museum for Music Instruments, Leipzig
- Museum Dresden
- Landau Media, Berlin
- Museum of City History, Dessau
- Wendt + Kühn, Erzgebirge
- State Art Collection, Dresden
- Bavarian National Museum, Munich
- Bavarian Administration of State Castles, Gardens and Lakes
- Bavarian State Paintings Collection, Munich
- Bavarian State Opera, Munich
- Munich City Museum
- Oberhausmuseum, Passau
- Diocesemuseum, Freising
- Diocesemuseum, Eichstätt
- State Museum of Ethnology, Munich
- State University for Music, Trossingen
- City Museum Düsseldorf

Switzerland:

- Johann Kläui Library, Uster
- Johann Jacobs Museum, Winterthur
- Aargau Art Institute, Aarau
- Rhäzüns Castle, Rhäzüns
- Museum of Archeologie and History, Lausanne
- Museum of History, Basel

France:

- Musée de l'oeuvre Notre Dame, Strassburg
- Alsacien Museum, Strassburg
- State Stamp Collection, Strassburg

Hungary:

- Museum of Fine Arts, Budapest

Russia:

- Puschkimuseum, Moscow
- Museum of History, Moscow
- Museum of City History, Moscow
- Museum for Applied Art, Moscow
- Art Gallery in Chanty-Manssijsk
- Museum of Art, Surgut

Belgium:

- Museum of Wool, Verviers
- Museum of Silver, Seneffe
- Royal Museum of Art and History, Brussels
- Museum of Musical Instruments, Brussels

England:

- Garstang Museum of Archeology, University of Liverpool
- Birmingham Museum and Art Gallery

Australia:

- Grand Hyatt (Casa Habana), Melbourne

United Arab Emirates:

- Emirates Towers, Dubai
- Abu Dhabi Marina Mall, Abu Dhabi
- Intercontinental Hotel, Dubai
- Sheikh Rashid Terminal, Dubai
- La Casa Del Habano outlets, Dubai
- Fairmont, Dubai
- Armani Hotel, Dubai
- Sheraton, Abu Dhabi
- Le Meridien, Dubai

Oman:

- Oasis by the Sea, Muscat

B500

TECHNICAL DATA

| TYPE OF CONSTRUCTION | |
|-------------------------|---|
| Colour*: | RAL 9001 (white) RAL 7022 (charcoal) |
| Dimensions (W x H x D): | 29.7 x 24.4 x 14.7 inches (without accessories) |
| Casing: | shock-resistant ABS |
| Empty weight: | approx. 52.9 pounds |
| CHARACTERISTIC VALUES | |
| Mains connection: | 110 V / 50 Hz |
| Power consumption: | 95 watts (without accessories), max. 130 watts |
| Water tank capacity: | approx. 13.2 gallons |
| OPERATING DATA | |
| For room sizes up to: | max. 4200 feet ² or 10.000 feet ³ |
| Air flow up to: | max. 9000 feet ³ /h (depending on the fan setting) |
| Evaporation rate: | max. 16.5 Gallon/day at 77°F and 20% r.h. (5,75 lbs/h) |
| Noise level: | approx. 32 - 44 dBA (depending on the fan setting) |

ACCESSORIES

Installed accessories (optional)

- UV water treatment (standard) and limestone conversion (optional)
- Automatic water supply
- Automatic flushing device
- Activated charcoal cleaning set for air cleaning
- Web module for control and monitoring of the settings via a network

External accessories (optional)

- Safety water sensor against uncontrolled water leakage
- Safety pressure hose for direct water connection
- Water monitor incl. sensor
- Safety basin as additional protection against leakage
- Drainage hose for flushing (60-200 cm)
- Air scoop

Subject to technical modifications

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



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