

Steam Humidifier MinAir

NORDMANN ENGINEERING



Compact mini-humidifier at the highest level: ideal for residential dwellings with central heating and ventilation systems and for any other application where a small quantity of steam only is required, e.g. in laboratories, etc.

- Steam capacity from 0.4 to 2 kg/h
- User friendly
- LED-Display to show set-point and actual relative humidity
- Integrated humidity controller

Steam Humidifier MinAir:

Reliable industrial technology for the low energy house

Heavy duty housing made of powder-coated steel

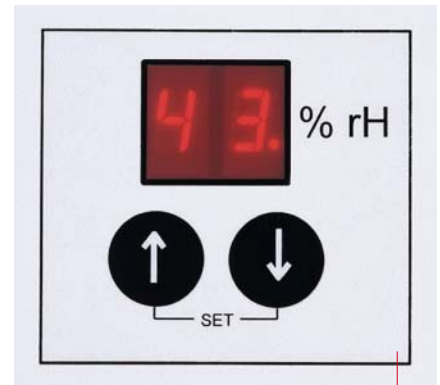
Frontal access to all components for easy maintenance

Excellent resistance against corrosion: the steam cylinder is equipped with fully protected electrodes



The removable drainage strainer allows the cylinder to be cleaned manually, thereby increasing its service life

Drainage valve with large outlet diameter for troublefree drainage operation



The high-performance electronic control unit, with its highly integrated micro-controller regulates the vaporisation process

The integrated humidity controller provides exact control of the steam output

Permanent display of the actual relative humidity as well as easy adjustment of the required humidity set-point on the display panel

Indication of operational messages on the display panel or through the built-in remote indication relay



Steam Humidifier MinAir: A guarantee for well-being and comfort

For mechanically ventilated areas humidification levels are based on the outside air change rate and the number of inhabitants. With the mini-humidifier MinAir, developed by Nordmann Engineering AG, dry unpleasant room conditions are transformed into a healthy, comfortable environment.

The MinAir converts the water into sterile, clean steam which is distributed to the supply air. As the water is heated to boiling point, the system prevents the growth of micro-organisms and is the most hygienic alternative to conventional household humidifiers.

h,x-diagram with indication of the **comfort zone** according to DIN 1946

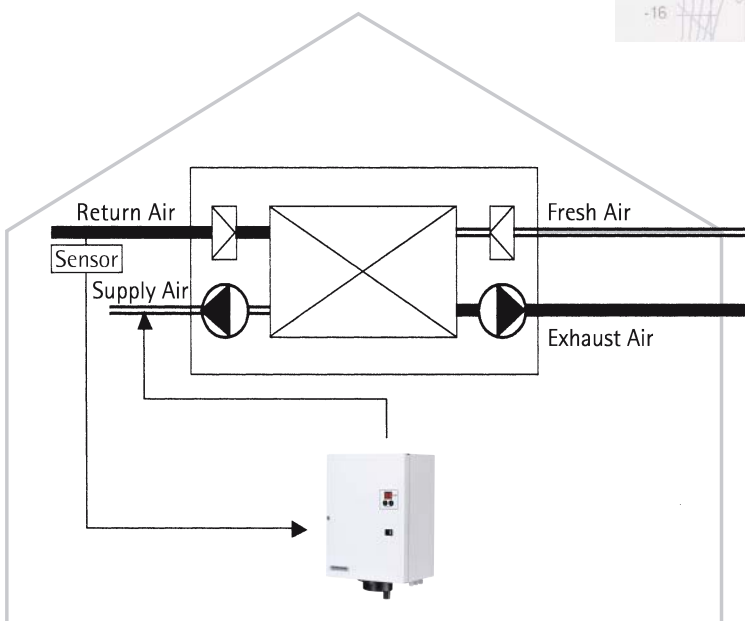
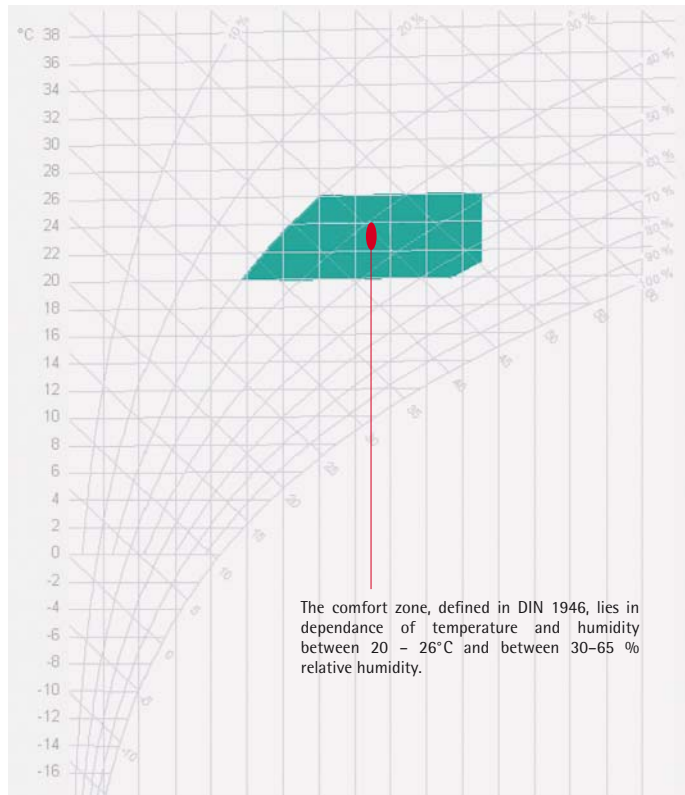


Diagram of controlled central dwelling ventilation with the MinAir

The relative humidity, preferably measured in the exhaust air duct, can be regulated by the mini humidifier MinAir within a range of 30 - 70 % rH. The integrated proportional controller provides for controlled continuous steam output to the supply air of the ventilated areas.

Technical Specifications

Operating Voltage	230 V 1~ 50/60 Hz
Nominal current	6.5 A
Nominal power	1.5 kW
Capacity range	0.4 - 2 kg/h
Type of steam cylinder	222
Dimensions (w×h×d)	290 x 450 x 200 mm
Weight empty	8.8 kg
Operating weight max.	11.3 kg
Range of control	30 - 70 % rH

Accessories

- Steam Nozzle
- Steam Distribution Pipe in different lengths for perfect steam injection e.g. in the air duct



- Steam Hose
- Humidity Sensor for duct and room application



Manufacturer:

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Operating conditions

Water pressure: 1–10 bar (0.1–1 MPa)

Water conductivity: (normal tap water)

min. 125 to max. 1250 microSiemens/cm

Operating pressure: 0 bar (pressureless)

Air pressure in air duct:

+/- 1000 Pa (+/- 100 mm water head)

Max. ambient temperature and humidity:

1–50°C / 80 % RH

Degree of protection: IP21



Quality

All components undergo continuous fabrication checks by the manufacturer, thereby guaranteeing the high quality of our products. Nordmann Engineering AG is certified according to ISO 9001:2000 and its production facilities are regularly inspected by TÜV Product Service.

Subject to change without prior notice.