

VISCORE

MICRO DROP direct room humidification



Your benefits

- ✓ MICRO DROP atomisation
- ✓ Easy self-assembly
- ✓ Almost zero maintenance required
- ✓ Adjustable humidification system for different room sizes
- ✓ High level of reliability and safety
- ✓ High standard of hygiene
- ✓ Intuitive, compact design
- ✓ Minimal operating costs
- ✓ Frequency-controlled water hydraulic pump (MZ)
- ✓ Operation period and pause time individually adjustable
- ✓ Each zone is individually adjustable
- ✓ Expandable at any time: up to 4 zones (MZ)
- ✓ High-pressure monitoring
- ✓ Hygiene interval switching
- ✓ PLC control with graphic touch panel (colour display)
- ✓ Modular design:
can be combined in one unit with water treatment



Advanced quality in an intuitive design

Treated drinking water is compressed by a high-pressure pump and conveyed via high-pressure pipes to the individual zones, where it is spread across the humidification units. The **MICRO DROP high-performance nozzles** ensure the finest atomisation over a long lifetime.

A central control unit regulates run and pause time of the humidification process, while humidity sensors transmit the current air humidity value to the graphic touch panel of the PLC control.

The new design not only implements the user-friendly and up-to-date **plug-and-play-principle**, but is also technologically and not least optically future-oriented.

Features



FS150 humidity sensor

The sensor measures the relative air humidity in individual humidification zones. If needed, the humidity can be adjusted in each individual zone. The FS150 humidity sensor performs perfectly with its fast reaction time and high level of accuracy.

Normal/Zone	Set	Off	Status
Zone 1	50%	47.2	🔘
Zone 2	60%	42.8	🔘
Zone 3	60%	44.6	🔘
Zone 4	60%	44.3	🔘

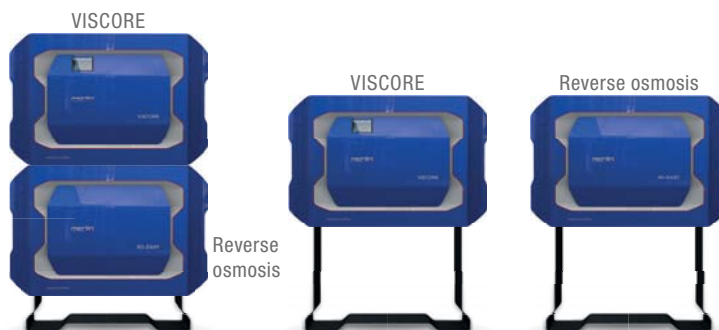
Graphic touch panel

PLC control

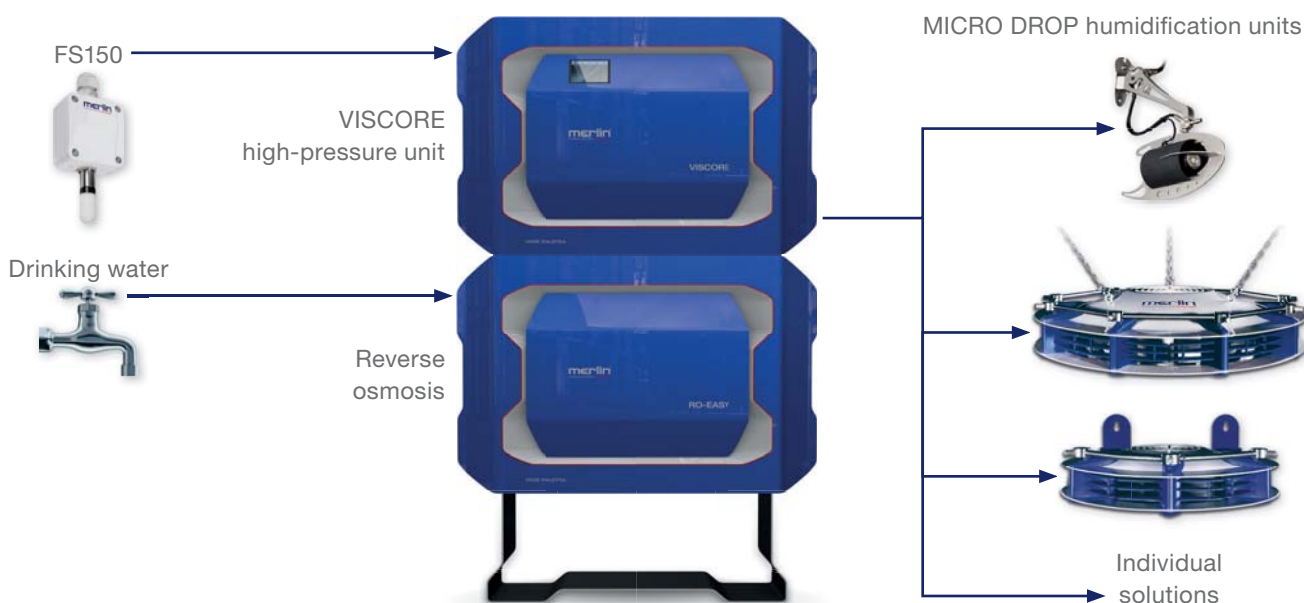
The intelligent PLC control with graphic touch panel and the easy menu navigation reads out the values of the humidity sensors and ensures perfect room air humidity. The zones are individually controllable.

Flexible in every aspect

The modular design offers the right solution for every requirement. The high-pressure system and reverse osmosis can be combined in one unit or used individually. The system can be expanded from 1 to 4 zones (MZ) at any time.



Set-up diagram



AER

Humidification units without ventilation



Ceiling & wall mounting



AER 1 work



AER 1 office



AER 2



AER 3



AER 5



AER 5 pipe



AER 1 pipe



AER 1 pipe end



AER 6



AER 9

Wall mounting

Ceiling mounting

AER and AER v – the originals

The merlin® humidification units with smallest possible height, low energy consumption and **MICRO DROP technology** for extremely fine atomization are installed to suit the given room situation, ensuring the most efficient humidity quality. There are humidification units for mounting on pillar, ceilings and walls. Special solutions are also available.

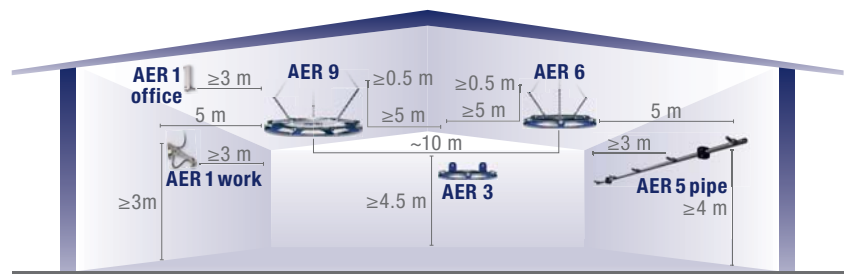
Automatic self-venting

The special redesigned nozzle ring enables the automatic self-venting of the entire high-pressure system, which practically eliminates the need for maintenance.

Humidification units without ventilation

can be installed under the right ambient conditions. Due to their **quiet operation**, they are especially suitable for showrooms and offices.

Mounting options



The number in the unit name indicates the number of nozzles. Optimal distribution of humidity is achieved if the recommended installation distances are observed.

AER v

Humidification units with ventilation



Accessories

For all AER and AER v



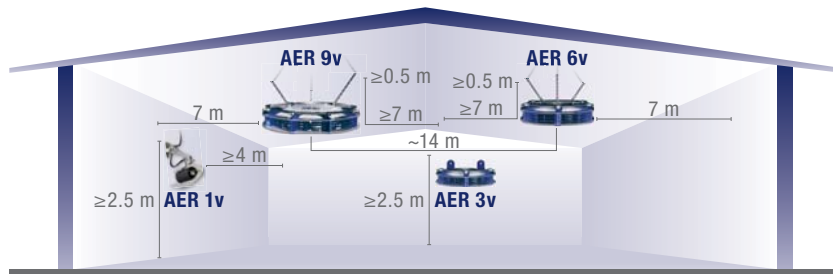
Air filter for AER 3v, 5v, 6v, 9v



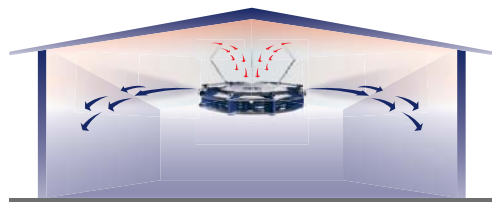
Humidification units with ventilation

suck in the warm ambient air from above and create a warm air cushion. This enables fast evaporation while ensuring an **even humidity distribution** throughout the room. An optionally installed dust filter actively cleans the air that passes through. Due to the air that is suck in from above, warm air from under the ceiling is actively recirculated.

Mounting options



Heat distribution



merlin®
~ 25 °C
~ 22 °C

Even heat concentration and lower temperature gradient.

AER v suck in warm ambient air from above and ensure fast and optimal humidity distribution.



AER 1v



AER 3v



AER 5v



AER 6v



AER 9v

Ceiling & wall mounting

Wall mounting

Ceiling mounting

About merlin®

Air humidification

High-pressure

Ultrasonic

Rotation lamella

Compressed air

Water treatment

Superior Services

IQ

Compressed air humidification

Your benefits

- ✓ Suitable for small spaces – targeted humidity supply
- ✓ Very fine atomisation of drinking water
- ✓ Compact design
- ✓ Easy installation and self-assembly
- ✓ Variable humidification output from 625 to 2,500 m³ of room air (4.5 to 18 l/h)
- ✓ Easy-to-extend, modular design by adding or removing the Quick-Change nozzles
- ✓ Mechanical or digital humidity sensor
- ✓ Ceiling or wall mounting – can be adapted to any room arrangement



Compact and multifunctional

IQ is the optimal solution for smaller production areas and storage rooms, with its excellent value-for-money performance.

The compact IQ humidification units can be mounted on the wall or ceiling. The specially designed nozzles ensure fine atomization, even at a working pressure of 1 bar. Thanks to **Quick-Change technology**, the system can be easily extended up to four freely hanging nozzles or three wall-mounted nozzles. The optional humidity sensor control (digital or mechanical) regulates a relative humidity up to 70 %. No water treatment is required.



Features



Technical details

Maximum output

For areas up to **800 m²** or suction up to **2,500 m³/h** at 21 °C room temperature and 50 % humidity with 4 nozzles in operation

2 installation options

1 – 4 nozzle operation, free-hanging
1 – 3 nozzle operation, wall-mounted

Set-up diagram

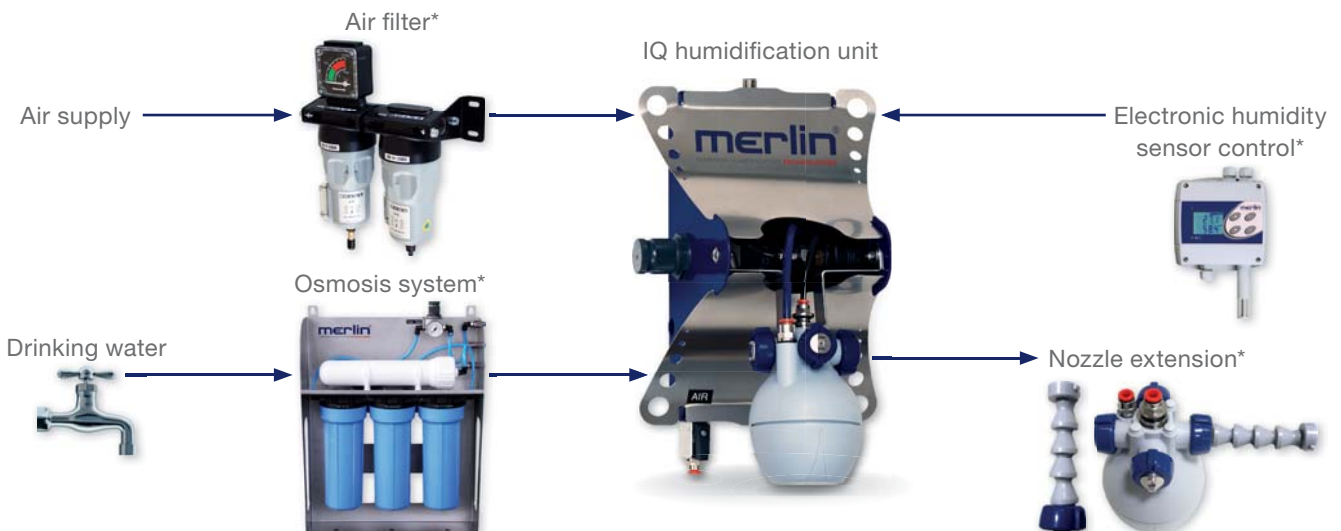


Illustration photo
*optional