

Technical Specifications

EM5

Humidification capacity: 5 litres per hour

Installed height: min. 2.5 metres

Length: 400 mm

Width: 120 mm

Height: 105 mm

Weight: 1.1 kg

Noise level: A virtually silent 51 db(A)

Power requirement:
24vdc (from EMCU), 10w

EM10

Humidification capacity:
10 litres per hour

Installed height: min 3.5 metres

Length: 330 mm

Width: 330 mm

Height: 110 mm

Weight: 2.8 kg

Noise level: a quiet 59 db(A)

Power requirement: 230vac (from EMCU,
or separate power supply), 65w
Low voltage version available (powered from EMCU)

EM20 and EM40

Humidification capacity:
20 litres per hour (EM20),
or 40 litres per hour (EM40)

Installed height:
min 5 metres, ceiling or roof hung

Length: 540 mm

Width: 540 mm

Height: 210 mm

Weight: 6 kg

Noise level: ultra-quiet 57 db(A)

Power requirement: 230vac (from EMCU, or separate
power supply), 90w
Low voltage version available (powered from EMCU)

Sensor unit

Length: 280 mm

Width: 80 mm

Height: 150 mm

Displays relative humidity (rH) from aspirated sensor.

Adjustable set point and differential.

**EMCU100, EMCU200,
EMCU500, EMCU750**
Other units available on request

Humidification capacity:
EMCU100, 100 litres per hour
EMCU200, 200 litres per hour
EMCU500, 500 litres per hour
EMCU750, 750 litres per hour

Width: 650 mm

Depth: 550 mm

Height: 1420 mm

All equipped with Humideco vari-colour
LED + display panel, for ease of operation

Power supply: 230v, 10A (EMCU 100 & 200), 400v,
3ph, 10A (EMCU500 & 750)

Water supply connection:
G3/4", drain connection 10 mm

*Final power supply requirement depends on complete
system, ie. the number of EM humidification units
connected*

Eco-Mist nozzles, without fan unit – for cooling and large area humidification

2 nozzle version, 10 litres per hour

4 nozzle version, 20 litres per hour



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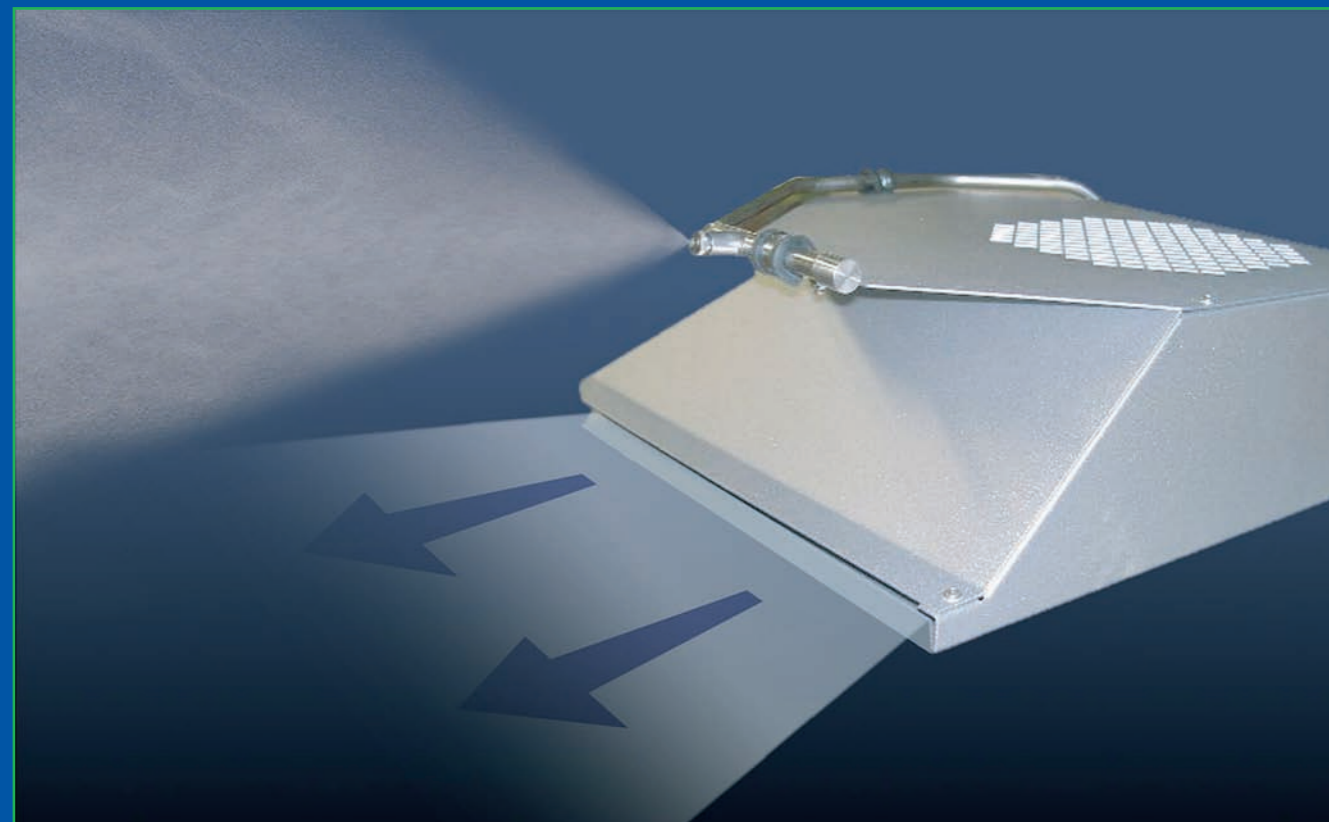
A NEW GENERATION OF HUMIDIFICATION AND EVAPORATIVE COOLING SYSTEMS



DISTRIBUTED BY:

Low energy,
low maintenance,
hygienic
humidification
systems...

Effective
humidification...
without
compressed air!



Eco-Mist systems feature humidifier units that combine high quality, stainless steel, non-drip nozzles, with low noise fans. A mist vortex is created where the airflow meets the mist, which evaporates quickly and completely.

Dry air and fluctuating relative humidity levels can be a costly problem for many manufacturing, distribution or process industries, especially in facilities where materials such as wood, paper and textiles are used. Environmental conditions are of paramount importance, if optimum product quality and operational efficiency are to be achieved.

Eco-Mist systems offer a unique and flexible solution to humidity control applications in these situations. Recent, proven advancements in technology have enabled the development of a range of easily installed, low noise, wall or ceiling mounted humidification units. These are combined together with our control units and sensors to form a system specifically designed to meet the needs of any particular requirement, regardless of size.

Unlike other systems, Eco-Mist does not use compressed air. This means substantial savings in energy consumption, lower maintenance, and greatly reduced running costs.

humideco
ecomist™

Humideco's unique, vari-colour LED display and electronic control system.



An Eco-Mist system can be designed to control conditions either within a single area, or in up to 4 independent zones. This allows optimum conditions for separate areas within a facility to be easily achieved.



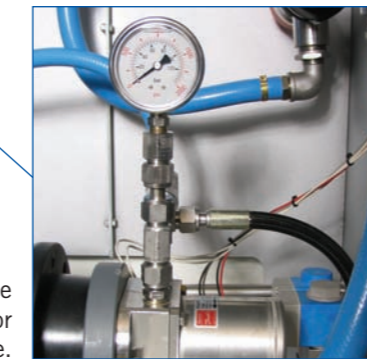
EMWT water treatment systems (where necessary), to remove minerals from the mains water feed. This eliminates dust deposits within the humidified area and prevents scale formation in hard water areas.

Please consult your system supplier for advice on water supply quality, or the need for water treatment. We are pleased to analyse a sample of your mains water for evaluation.



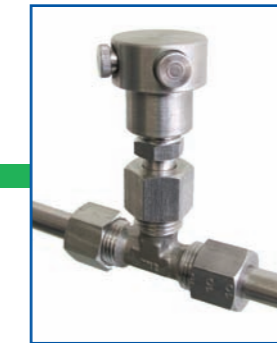
EMCU control unit, featuring micro-fine water filtration and failsafe water sterilisation.

High quality stainless steel oil-free pump, valves, and controls for reliability and long service life.



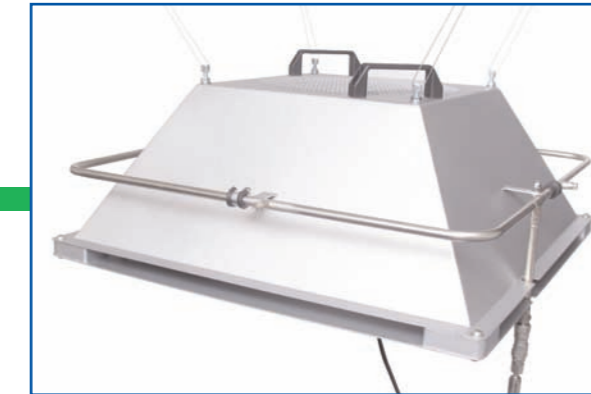
Humidifier applications include:

- Prevention of web breaks, paper dust, static, and ink drying problems in web offset printing.
- Achievement of higher speeds in sheet-fed printing, without paper curl, misregister or static difficulties.
- Ensuring longer shelf life, and preventing weight loss when storing fruit, vegetable and other foodstuffs.
- Avoidance of shrinkage, splitting and other quality problems in timber and furniture industries.
- Elimination of static in electronic manufacturing, and man-made fibre processing.
- Reduction of dust and improvements in quality of paint spraying and finishing processes.
- Promotion of yarn strength and high machine speeds in textile manufacture.



All Eco-Mist humidification units feature high quality, stainless steel non-drip nozzles.

Eco-Mist nozzles can also be mounted on pipework headers, perfect for large open facilities with a high roof space; dust suppression applications, or evaporative cooling in warmer areas.



EM20 and EM40 units, with low noise, 4 way blow, mist-vortex fan, for high capacity humidification in machine areas, where ceilings are high.



EM10 unit, with low noise, 2 way blow, mist-vortex fan, for wall mounting. Suited to larger areas.

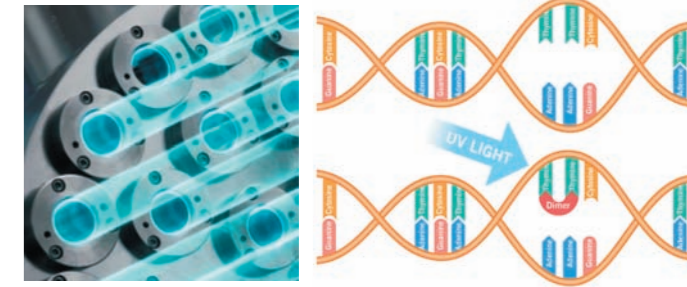


EM5 wall mounted unit, with low noise, mist-vortex fan, for use where the ceiling or roof is low or for control of humidity around a machine or process.

All Eco-Mist humidifier units can be combined together, across individually controlled areas from a single control unit.

Hygiene

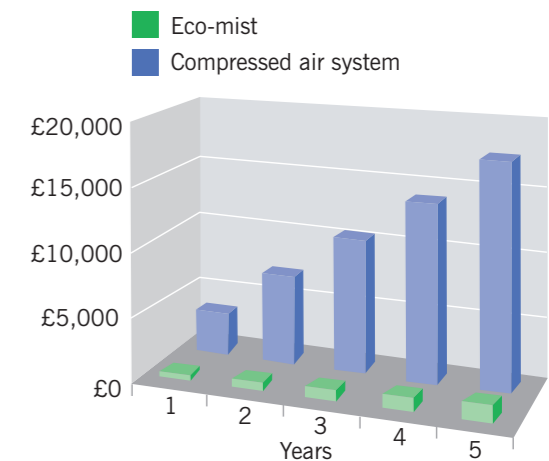
Eco-mist systems utilise absolute filtration, drain and flush cycles, plus UV water sterilisation, a widely used, highly effective process that works by critically damaging the DNA chain of any bacteria present.



Low Energy

Eco-mist systems use less than 10% of the energy of a compressed air system.

Total power costs for 250 litre per hour humidifier system



Installation, commissioning and service



£€ Finance and leasing options available.