



NEBULIZERS - COOLERS

Versatility, simplicity in installation, cost-effectiveness and effectiveness of air and environmental treatment.



Versatility, simplicity in installation, cost-effectiveness and effectiveness of air and environmental treatment: these are the guidelines that Biemmedue has followed to design its range of sprayers-cooling.

Cooling VS Conditioning

Cooling by spraying water into droplets of only 10 microns, thus evaporating instantly, allows to quickly and evenly lower the temperature of the environment both inside and outside. Therefore, it is a versatile solution, especially when using a traditional air conditioner would not give any results or would be too expensive for both installation and operating energy costs. In addition, unlike air conditioning, spraying can produce further results such as dust abatement, sanitisation and sanitisation of environments by adding specific chemical solutions, treating and controlling odours in large environments and controlling humidity while keeping it at the desired and always constant level.

Fixed vs Furniture

We offer tailor-made solutions for fixed installation, to meet any need in the spraying sector using high quality components. The pressurised water from the spray system, at a pressure of about 70 bar, is fed through nozzles directly into the areas where the treatment is to be carried out, preventing it from spreading. Our mobile solutions, on the other hand, are ideal when you need maximum flexibility of handling and versatility of application both outdoors and indoors (dust abatement, sanitisation, spraying of substances, etc...).



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Versatility VS Closed systems

The versatility of our humidification systems allows a wide use in different situations always aiming to propose the cheapest solution to effectively humidify or sanitise the air:

- **Livestock:**
the spraying of water on farms (livestock, poultry, sheep, poultry, pigs, equine, cattle) has decidedly positive effects, both for animals and for the people who work there. The possibility of exploiting temperature abatement or cooling systems, avoids product losses, and also enables higher yields.
- **Greenhouses:**
these systems are of particular importance for the climate control of greenhouses and are used with extraordinary advantages for maintaining the ideal microclimate within them: in this way an increase in productivity will be ensured.
- **Construction, dust prevention:**
they give the possibility to intervene in real time, to prevent the same dust from forming and dispersing in the surrounding environment due to demolition, extraction, excavation or handling of inert material.
- **Events:**
it is possible to operate in outdoor and indoor spaces or indoors in tent structures to ensure the thermal comfort of people.
- **Sanitisation and sanitisation of environments:**
by mixing specific chemicals with sprayed water it is possible to sanitise environments by counteracting both the spread and propagation of viruses and bacteria and the onset of unpleasant odours.
- **Food:**
for cooling and maintaining the quality of products in fresh product stalls, fruit and vegetable displays, meat, fish, and cellars.

