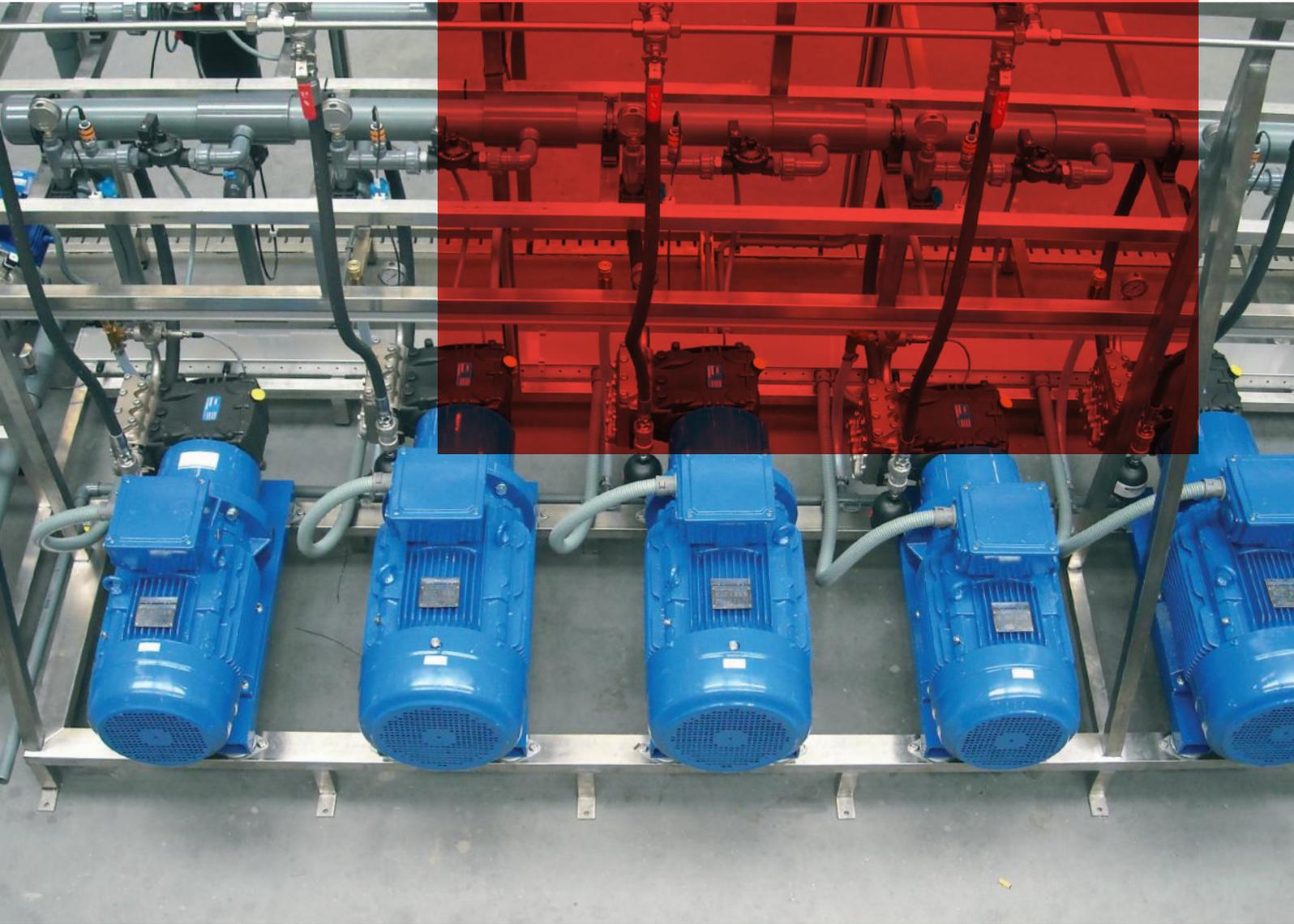




PB FOG

Control your climate using
the PB Fog





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What fogging system is the most suitable for your business and your crops? And how should the effluent be treated to prepare it for use in a fogging system? PB tec has extensive experience with fogging systems, and we have the ideal system for you: the PB Fog.

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Water makes up 80-90% of a plant's matter. It is an important substance in the growth of crops: not only does it serve as a transporting agent, it also cools the plant. It evaporates through stomata. The speed at which a plant can transpire is determined by heat, CO² concentration, air and water. The humidity in a plant's leaves is 100%. The difference between the relative humidity of the air surrounding the leaf and the RH of the leaf is particularly important for the degree to which the stomata open up. If the difference is greater, the stomata open further and the transpiration speed increases. If the stomata open too far and the surrounding cells cannot compensate on time for the water lost through evaporation, the plant will suffer water stress. A proper fogging system is a control tool that can help you prevent this situation.

What criteria must a proper fogging system satisfy?

- The droplets entering the greenhouse must be between 5 and 10 microns in size, to prevent them from settling on the crops and instead ensuring that they are absorbed into the air.
- The water must be pre-treated to ensure that the nozzles do not block. For properly functioning nozzles, we recommend a pH of 6.5-7.0.



What features do our fogging systems possess?

Each of the top-quality nozzles is fitted with an anti-drip system, which has a ceramic nozzle plate.

The entire system is made from stainless steel, to prevent any electrolysis between different metals. The system is fitted professionally, and each connection is compliant with the requirements set by the food industry.

Allow us to make you an offer for the PB Fog!

