



Mjtech
Fogsystems

High Pressure Fog Systems

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Humidity control and natural cooling

Every greenhouse is unique, different constructions, different crops, different climate control philosophies. One thing is common: more and more growers realize that a high pressure fog system is a key building block in an advanced greenhouse to control crop growth.

For optimum humidity or adiabatic cooling, with less CO² spoilage and lower water and energy consumption. But above all for a high yield and crop quality! To this end, we design the installation precisely for you, and we use self-developed and manufactured building blocks: nozzles, high pressurepress fittings, the high pressure pump unit.

Highest quality installations & substantially more robust

As we generate fog with a droplet size between 3 and 5 μ (micron), the complete high pressure fog solution needs to be top notch. That goes from our own patented Pressfog design to clever filtration in the pump-unit, all to ensure the system remains clutter-free over time and doesn't have leakage. Therefore all parts are self-manufactured stainless steel 316. Therefore each system undergoes factory pre-delivery inspection and testing. To operate robust at day one as over time.



PRESSFOG[®]
THE ORIGINAL

By using our own patented *Pressfog* pipeline system we are capable of installing a project in a very short period of time. In addition, the *Pressfog* system offers a guaranteed leak-proof installation immediately after assembly. The couplings have a nominal working pressure of 80-120 bar and a burst pressure of 250 bar.



**Optimal
humidity**



**Natural
cooling**



**Minimal
water use**

High Pressure Fog our core business!

“All giant leaps in technology and achievement come to us as a series of small steps, each building on the last one...to go just that much further than was achieved before.”

Many small steps over the last decades make that we are a leap ahead with high pressure fog systems for greenhouses and other applications. Steps that could and can be done given our focus. We design installations which create fog and what makes us unique is our expertise to the entire process. From concept, engineering, producing own parts (e.g. all press couplings for the PressFog units) to assembly, factory pre-delivery inspection and testing, installation and commissioning. All tailored to your needs!

Tailored to your needs!

Your greenhouse and your crop, all customized. Together with you, we determine the layout of the Pressfog pipelines.



Nozzle

Depending on the span and the distances of the posts, the nozzles get their place. Precise positioning depends on crop height, lighting, screens, ventilation, etc.



Crop

Seen from above, we try to place the nozzles "as low as possible", preferably also at least 0.5m up to your crop!



Contact

If you have any questions about our solutions or if you want more specific information, please contact us! Would you like to visit our ultra-modern production and assembly in Etten-Leur? You are of course very welcome! We look forward to a pleasant cooperation, hopefully we can be of value to you.

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