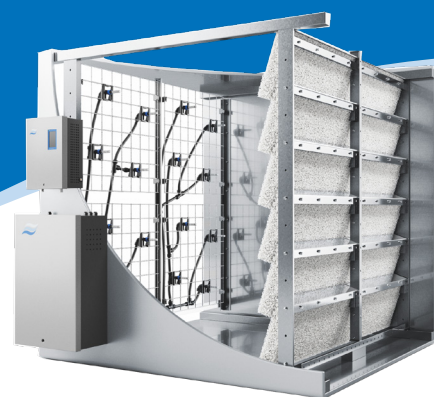


Dark marks on your
DL ceramics?
That's Hygiene+®
at work!

Hygienic Humidification You Can Trust DL Series Ceramic Plates Operation



What Causes the DL Ceramics to darken over time?

The Condair DL uses the industry's most advanced hygiene control system, Hygiene+, and was the first on the market certified by a third-party testing agency, the SGS Fresenius Institute. To control microbial contamination and ensure the highest possible system hygiene, the DL employs an advanced electronically controlled silver ion dosing system. This system applies the proper concentration of silver ions to the humidification water based on the amount of water being sprayed - no more, no less.

As the system operates, excess water containing silver ions will land on the ceramic post-mist eliminator and drain off. As the water works its way through the ceramic channels to drain, much of it will evaporate, leading to exceptional water efficiency.





The silver in the water does not evaporate and instead will deposit on the ceramics, creating an anti-microbial environment within the ceramic channels.

You can see the effects of this come to life as the system operates. The circular darkening of the white ceramics is the effect of hygiene+ at work and provides users with a clear indication of how well the system is spraying, simplifying maintenance.

This hygiene concept ensures that the DL has exceptional hygiene safety and optimal water efficiency - all without the need for risky water recirculation or recovery systems.

Is It Safe?

Yes! Silver ion technology has been trusted for centuries in medical and industrial hygiene, including in wound dressings, water disinfection, and antimicrobial coatings.



The Condair DL Series holds an SGS Institute Fresenius Hygiene Certificate confirming its hygienic operation.

Condair DL units in operation at a customer facility, note the circular silver deposits matching the spray pattern. The units are inspected regularly and continue to operate normally and safely.

Silver Accumulation on DL Ceramics

- The silver ions released by the humidifier kill bacteria in the water and prevent microbial growth.
- Over time, silver ions bond with sulfides in the environment and form dark, almost black silver sulfide deposits.
- The dark circular pattern on the ceramic plate matches the spray from the humidifier nozzles.
- The more the unit runs, the darker these silver deposits may become.
- The yellow or grey discoloration around the edges represents newer deposits.

What If I Have Questions?

We're here to help. Contact Condair for more information or for a demonstration of how our silver ion technology keeps your environment hygienic and safe.