



Cooling Pad Descaling and Recirculating Water Quality Control

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Product Category	<ul style="list-style-type: none"> Scale removal product Recirculating water quality control
Application	<ul style="list-style-type: none"> Pad cleaning for chicken shade Microorganism control in recirculating water in evaporative system
Key Function(s)	<ul style="list-style-type: none"> Scale removal Extend service life of the pads Improve air flow

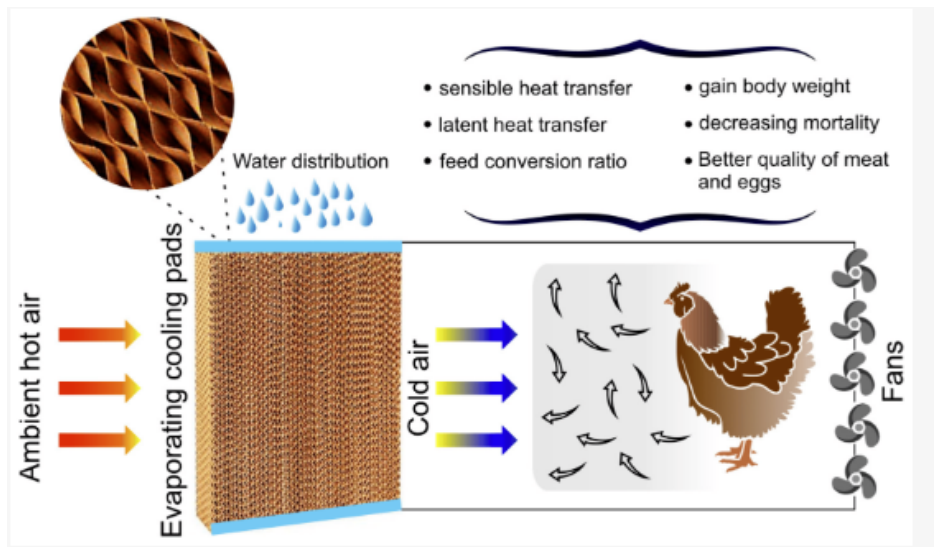
How does pad cooling work?

The pad cooling system utilizes the cooling effect produced by water evaporating in warm outside air. The incoming air is drawn through a plastic pad, which is kept wet, installed in front of the air inlet. A pipe above the pad distributes the water flow evenly so the entire surface area of the pad is moistened. As the water passes through the cooling pad, it will partially evaporate. During this evaporation process, heat is extracted from the air, lowering its temperature. At the base of the pad, the water is collected in a chute and circulated for reuse. The pad cooling system can easily be applied in combination with climate systems for pig and poultry houses.

When a hard water scale accumulates in your cooling pad, the system needs to work harder to draw extra energy. The increased energy consumption impacts the longevity of the system and prevents it from achieving maximum capacity. Like other dirt and debris, scale needs to be cleaned and Stellar Unity can provide you services and advice to do it efficiently.

When water is evaporated or heated, solid matter called scale is left behind. This scale can severely impact the efficiency of your water cooling systems. Scale forms thick deposits on the heat transfer area decreasing heat transfer, reducing water flow, and causing high head pressure. The presence of scale also makes the system's processor work harder. Aside from pressuring the processor, scale formation also lowers the lifespan of the system. Therefore it is important to clean the cooling system from scale after regular intervals.

Cooling pad function depends on the correct water flow to achieve proper pad wetting. The moisture-rich environment makes conditions more favorable for the growth of mold, mildew and algae, reducing water saturation of the pads and air freshness within the animal houses.



For more information of product



Website : www.s-unity.com

Descaling Chemical Options, and more!

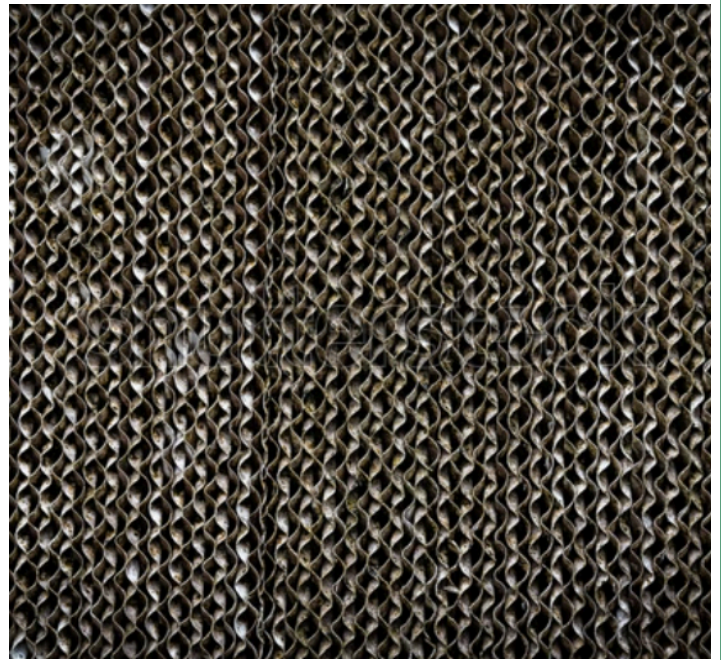
You can use various descaling chemicals for this purpose. Various specialized descaling chemicals and cleaning products are available in the market. The chemicals generally fall into the following three categories.

1. Hydrochloric acid
2. Sulfamic acid
3. Methanesulfonic acid

Nonetheless, most acids are just used to descale or temporarily handle the problems but could not inhibit or slow the gradual deposit of scale formation in a longer term. At Stellar Unity, we work holistically to monitor the water cooling system whereby water quality is getting controlled and monitored, while scales and microorganisms are also being taken care of. Our products are not chemical programs being applied only to serve the service life of the pad but also it is designed to help to make the pad cooling system to be resilient towards harsh environments and improper water conditions.



Before Proper Chemical Program



After Implemented Chemical Program

For more information of product



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