



Evaporative Pads

Cooling Systems



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Poultry and swine solutions
around the world



Evaporative Pads Cooling Systems

Air humidification and cooling represent a **great relief for animal stress** produced by heat inside the houses.

Operation principle

The evaporative cooling system is a process that reduces air flow temperature by water evaporation.

Maximum efficiency is achieved by directing the air to be cooled through wet pads placed at the inlets of the air ventilation system.

As the air passes through the pads it absorbs water, which provides a higher capacity for heat removal.



The larger the amount of water evaporated from air, the higher the temperature reduction shall be. Also, the dryer the air or the lower the relative humidity, the greater the possibility of evaporation will be.

This way, by air humidification together with an appropriate ventilation design achieving adequate circulation and renovation rates, it's possible to reduce the temperature inside the house between 5 and 14°C.

PVC OPEN TOP System an efficient and practical solution

The main advantage of the **OPEN TOP System** is the quick and constant detection of the condition of the water distribution holes. With a very simple supervision it's possible to verify the system condition and clean the obstructed holes without the removal of any top or cover.

The **OPEN TOP System** is a self-supplied system that uses a collection

and recirculation circuit with a small water reservoir inside the system, which eliminates the need for large separate collection tanks and pipes. Centrifuge and submersible pumps are used.

The design of the open upper area makes it easy to manage and maintain the system, preserving its efficiency at all times.

Design characteristics

Two-inch (51 mm) diameter pipes that allow a more even water distribution on the surface of the evaporative pad.

Easily removable evaporative pads for superior performance. Protection in the lower section of the coating is optional.

Large water outlet holes (5/32" – 4 mm) to minimize clogging.

Design with open upper area for easy visibility and cleaning access.



Includes screw terminal caps to simplify cleaning and rubber seals at the ends.

The evaporative pads are available in sizes between 2 and 6 feet high (0.61 and 1.80 meters), in 1 foot (30 cm) increments.

UV-resistant PVC gutter.



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