

Simple/Reliable/Green/Efficient

大牧人
Big Herdsman

EVAPORATIVE COOLING PAD SYSTEM

The evaporative cooling pad system is a core component for cooling and humidifying poultry houses. It employs a "cooling pad-negative pressure fan" combined operation mode. The system leverages the physical property of water evaporation absorbing heat. As hot outdoor air passes through the cooling pad, it absorbs the heat energy of evaporating water, significantly lowering the air temperature before entering the poultry house, optimizing the indoor environment.



WEBSITE

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EGG PRODUCTION

Technical Description

Cooling pad system comprises cooling pad-aluminum alloy frame, PVC frame with water trough cool pad and removable cooling pad.

- Cooling pad-aluminum alloy frame uses aluminum alloy as frame material, which is practical, good-looking and has high strength.
- PVC frame with water trough cool pad uses PVC water trough, which has water storage function, so there is no need to build additional water pool. With automatic water refill device.
- Upper sink of removable cooling pad is the opened structure, easy to open cleaning spray pipe and replace cooling pad paper.
- Water inlet piping of cooling pad system is equipped with filter of 40 mesh, so as to prevent the spray pipe and the cooling pad paper from being clogged by impurities in water.

Big Herdsman provides many kinds of cooling pad papers to choose from. A single piece of cooling pad paper has a thickness of 0.15m, a width of 0.6m and a height of 1m, 1.5m, 1.8m and 2.0m respectively. At the same time, it can be installed by heightening. The angle models are 7090 (45°× 45°) and 7060 (45°×15°), the appearance options of primary color or single-sided blackening are available.

Parameters of conventional self-priming circulating water pump (When the pump specifications are selected by international trade, the power goes up to one type) :

Model of water pump	Rated power	Maximum flow rate	Maximum lift	Rated supply voltage	Length of cooling pad paper
SMP50T	0.37KW	220L/min	9m	380V/50Hz 3p	Less than 9m
SMP75T	0.55KW	280L/min	11m	380V/50Hz 3p	9m-15m
SMP120T	0.9KW	340L/min	15.5m	380V/50Hz 3p	15m-25m
SMP150T	1.1KW	350L/min	17.5m	380V/50Hz 3p	25m-35m



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