



Creating a Green World™

AQUAMIC® & AQUAFOG®

AUTOMATIC POULTRY COOLING SYSTEM

FOR LOW OPERATING COST, BETTER RESULTS, LOW MORTALITY

Effective in Hot & Dry conditions (Summer) and Hot & Humid conditions (Monsoon)



Aquamic®



AquaFog®


Concept of Evaporative Cooling

Concept of Cooling by means evaporation, water can be used as a way of cooling chicken under given conditions:

- It should not add humidity to air when the air humidity is already high.
- It should not cause any damping of the litter.
- Cooling the Birds directly rather than cooling the Shed.

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AQUAMIC® & AQUAFOG® AUTOMATIC POULTRY COOLING SYSTEM

Header Unit For Borewell Water Filtration Temperature Sensor Automatic Digital Temperature Cum Cyclic Controller



Features

- Suitable for deep litter & cage system .
- Cools the birds directly .
- Equal distribution of water during a short time period, this gives very good evaporative cooling to the birds .
- Softly showers chickens according to a periodic time schedule set by the poultry house owner .
- Has an anti-leak valve which prevents water seepage when the system closes down .

Advantages

- Low running cost .
- Low water consumption (refer details given in table below) .
- Low electricity consumption (refer details given in table below) .
- Low initial cost .
- Suitable in both weather conditions .
- Hot & Dry (Summer – March to June) .
- Hot & Humid (Rain – July to September) .
- Totally automatic system – no labour required .
- Drastically reduces heat stress .

Water & Electricity Consumption in Peak Condition - Hot & Dry (43°C & Above)

From 10am to 7pm	6000 to 8000 sqft	8000 to 16000 sqft	16000 to 30000 sqft
Average Water Consumption (Ltr/Day)	4000-4500	8000-9000	16000-18000
Electricity Consumption (Average Units/Day)	3	7	14
Average Electricity Unit Cost (Commercial) (Rs.)	5.50	5.50	5.50
Total Electricity Cost - Per Day (Rs.)	16.5	38.5	77

Turnkey Projects Executed

Punjab	Haryana	U.P
Odisha	Hyderabad	Nepal
Rajasthan	Gujarat	Himachal Pradesh

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