



# VT-1B Industrial Evaporative Cooler

VT-1B Industrial Evaporative cooler are designed to work in Industrial and outdoor applications. It comes with a Soft Key Control Panel that allows you to choose desired fan speed & switch on/off pump. Control panel also provided with Small LCD panel. Control panel has facility to Set timer for Switching on/off cooler. Control panel has LED indication for Power, Blast, Cool, timer and Lack of water status. In case of low water level in water tank then “Lack of Water “ LED will become red. VT-1B Cooler provide with base water tank with provision for connecting water pipe or add water manually. It also provided with floating valve which will disconnect water supply in case tank get full.



VT-1B

### Air Flow

18000 CMH

### Voltage

220V-240V/50 Hz

### Power Consumption

550 Watts

### Fan Speed Setting

Available

### Pump On/off setting

Available

### Timer Setting

Available

### LCD Panel

Available

### Noise Level (approx.)

54/58/63 db

### Weight

50 kg

### Dimension (W x D x H) mm

1120 x 720 x 1500

### Tank Capacity

60 liters

### Effective area

200-250 Sq. Meter

### Lack of Water Indication

Available

### Water Pipe Connection facility

Available

### Control Technologies FZE

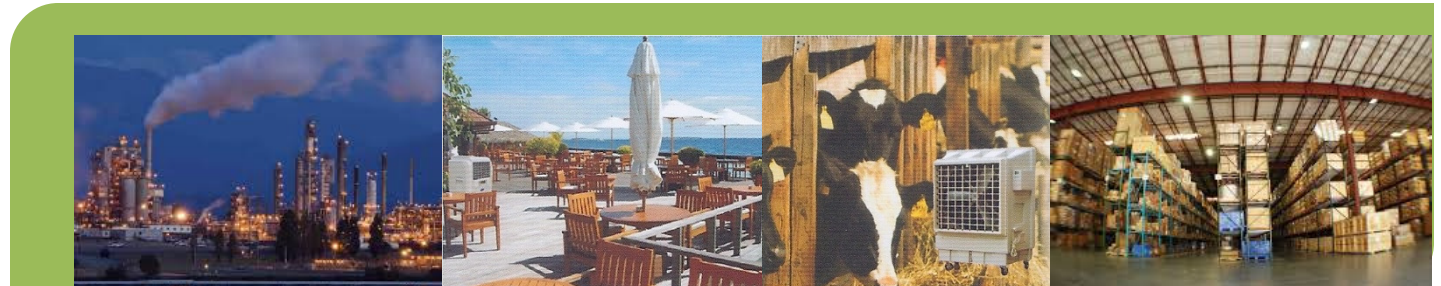
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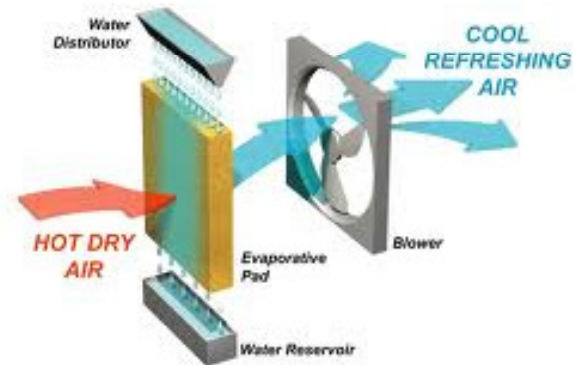
## Working Principle:

The Core component of evaporative air cooler is cooling pad (a high efficient & innovative evaporative core), a kind of pure natural plant fiber composite with multilayer corrugation. Its working principle is actually a natural physical phenomenon, i.e. "While water evaporates, a large amount of heat is absorbed"; that is to say, the water may flow from top to bottom under the gravity, and form water film over the corrugated fiber surface of the cooling pad; when the moving air passes the cooling pad, the water of water film will absorb the heat of air to evaporate, which will remove plenty of thermal energy and cause the temperature of air that passes through the cooling pad to drop, and purify the dirt and particle brought by air. The fresh air under the high efficient circulation will prevent diseases and pandemic diseases from being infected and create healthy and comfortable environment.



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## How EVAPORATIVE COOLING works



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## Advantages:

- Low Power consumption with efficient cooling. Less than 1/3<sup>rd</sup> the cost of refrigerated air conditioning.
- A complete natural process. Low water consumptions.
- Oxygen rich fresh air delivered to you.
- Body made with high quality strong plastic hence protected from corrosion.

## Applications:



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### APPLICATIONS OF EVAPORATIVE COOLERS



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