INNOVATIVE EVAPORATIVE COOLING SOLUTIONS

INDIRECT EVAPORATIVE COOLING SYSTEMS

Natural Air Conditioning.....
Inspired by Mother Nature.....
Powered by Natural Resources...
Following laws of Nature

Economical
Environment Friendly
Energy Efficient
Indirect Evaporative Cooling (IDEC) Systems provide most Economical Cooling Solutions for:

- Large Industrial & Commercial Spaces.
- Utilize natural resources i.e. Air & Water for cooling the air.
- Higher cooling with less moisture addition in air.

Advantages of IDEC Systems

- Significant Increase In Productivity
- Healthy Spaces
- Think Green, Think Fresh
  - Care for Environment.
  - Best Possible Indoor Air Quality.
  - No Harmful Refrigerants.
- Think Savings
  - Small Investment.
  - Drastic Reduction in Operational Costs (80%) Compared to Conventional Air-conditioning.

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IDEA Systems are suitable for:

- **Custom Solution:**
  - Providing Cooling Solution for large spaces in Warm & Tropical Weather Conditions.

- **Smart Operation Modes available for All Year Round Comfort**
  - Free Cooling.
  - Single Stage Indirect Cooling,
  - Two Stage Indirect + Direct Cooling.

- **Smart Controls:**
  - Temperature & RH Sensors.
  - TDS Sensors for maintaining water quality.
  - Optional VFD to modulate supply working fan speed & air quantity.

IDEA Systems are suitable for:

- **Economical**
- **Environment Friendly**
- **Energy Efficient**

- Manufacturing Industries
- Warehouses
- Indoor Stadiums
- Training Areas
- Stadium Seating Areas
- Distribution Centers of FMCGs.
INNOVATIVE EVAPORATIVE COOLING SOLUTIONS

INDIRECT DIRECT EVAPORATIVE COOLING UNIT

SIZES 30-400

Indirect Direct Evaporative Cooling Unit (IDEC) cabinet type single tier system comes with the following outstanding features:

- Made of Extruded Aluminium Profiled Frame.
- Double Skin Casing-outter and Inner Casing made of PPGI Sheet.
- Casing/panels Insulated With Fiber Glass Insulation (48 Kg/m3).
- Panels will be 25/50mm thick.
- The Casing meets the Provision of tightness class as per International Standard.
- Unit consist of Filter, Heat Exchanger, Evaporative Cooling Pads and Fans (Primary & Secondary).
- Available in 10 sizes, with air flow range of 3000 to 40000 CFM.
- DIDW high efficiency centrifugal dynamically balanced fans (Plug fan option also available).
- The Heat Exchanger is Indirect, Air to Air type.
- Duct Connection Frame.
- CNC manufactured Stainless Steel Water Tank.
- No Chemical Refrigerants or Ozone Depleting Chemicals.
- High Efficiency (90% +) Long Life EcoCool Evaporative Cooling Pads.
- Provided with water intake and drain Water Pipe Lines.
- High Technology, DRI Cooling Module.
- Option of running as Direct & Indirect Evaporating Cooling Mode.

### Technical Specification

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<tr>
<th>MODEL</th>
<th>AIR FLOW CAPACITY</th>
<th>SUPPLY AIR MOTOR</th>
<th>WORKING AIR MOTOR</th>
<th>PUMP kW</th>
<th>ESP Length/cm</th>
<th>ESP Width/cm</th>
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Note: (1) Because of our policy of continuous product improvements, specifications are subject to change without notice. (2) Please contact DRI for extra Details & Foot Prints.