

We have more than 450 Installations in India & Abroad.



Installation at Venkateshwara Hatcheries at Davangere (900 kW X 4 Nos.)

# Evaporative Condenser

Most reliable energy efficient condensing tool

## SOME OF OUR PRESTIGIOUS CLIENTS

### Cold Chain & Logistics:

- Boxco Logistics
- Kelvin Cold Chain & Logistics
- Shree Shubham Logistics
- SGS Cold Storage
- N. H. Foods
- Crescent Cold Storage

### Breweries:

- United Breweries Ltd
- Carlsberg India
- Carlsberg Asia
- AB Inbev Group
- ILIOS Breweries (KEDIA Group)

### Food Processing:

- Citrus Food Processing
- Venkys India Ltd
- Haldiram Foods
- Tasty Bites Eatables
- Forstar Frozen Foods

### Seafood Processing:

- Silver Seafoods
- Sanchita Marine
- Sonia Fisheries
- Albies Fisheries
- Moon Fisheries
- Febin Marine

### Dairies:

- Parag Milk and Milk Products
- Vaishnodevi Dairy Products
- Govind Milk Products
- R.P. Milk and Milk Products
- IDMC - Sarhad Dairy
- Narmada Milk

### Pharmaceutical:

- Hetero Drugs
- Dr. Reddy's Laboratories



Installation at United Breweries Unit - Chamundi (1250 kW X 3 Nos.)



## SALIENT FEATURES

- Multi-section Design which facilitates easy transport and installation.
- Coil block is in SS-304 construction, which minimizes the possibilities of corrosion.
- Most easy to install, this feature place us above all our competitors.
- Substantial energy saving as compared to other types of condensers.

Manufactured By:

**UMA INDUSTRIES**  
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Marketed By:

**REFCON ENGINEERING SERVICES PVT LTD.**  
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## COMPANY PROFILE

- Uma Industries was established in 1997 by Mrs. R. S. Natu.
- The Uma Industries is engaged in manufacturing various refrigeration equipments.
- The Uma Industries is having its own manufacturing unit with Industrial Shed of 8000 sq.ft. near Pune and well equipped with all fabrication Machinery.
- We design and manufacture the refrigeration equipments as per QA norms and also per ASME / TEMA Code if required.

## EVAPORATIVE CONDENSER

- The most energy efficient condensing tool, which utilizes the favourable ambient conditions to the maximum possible extent to conserve the energy.
- Condensers are available in different models having minimum and maximum heat rejection capacity from 100 kW to 1600 kW.
- These condensers are suited for Ammonia as well as freon refrigerants.
- Condensers are designed for optimum thermal and power efficiency and trouble free operation.
- The enclosure is so designed which facilitates easy installation and easy access for maintenance in all areas.

## VARIOUS PRODUCTS OF UMA INDUSTRIES

- Ammonia Evaporative Condenser.
- Skid Mounted Refrigeration Units.
- Pressure Vessels such as HP and LP receiver, Accumulators, Oil Separators.
- Ammonia Air Cooling Unit with SS tubes spirally finned with Aluminium Fins.
- Shell and Tube Heat Exchanger for various applications such as CO2 Condenser, NH3 Condenser, Oil Cooler, Intercooler etc.
- Ice Plant Machinery.
- Different types of Evaporating Coils.



Evaporative Condenser on test-bed at our Factory.

## TECHNICAL SPECIFICATIONS OF EVAPORATIVE CONDENSER

- **Condenser Coil Block**  
Most efficiently designed condensing coil is made out of Stainless Steel Tubes Confirming to A-249. The coil is fabricated in such a way that all weld joints are coming at two ends only. Coil Headers are also in SS Construction.
- **Condenser Casing**  
They are constructed in hot deep galvanized robust steel structure duly covered by powder coated G.I. /

SS - 304 Sheets. Condenser Water sump is available in SS.

- **Condenser Fans**  
Energy efficient tube axial fans having FRP (Multi-Wing) with adjustable blades and driven by energy efficient weatherproof motors in IP 56 enclosure.  
\*Evaporative Condensers are also available in all SS construction specially suited for saline atmosphere.

## ADDITIONAL SPECIAL FEATURE



Evaporative Condenser Installation with De-Super Heating Coil at Carlsberg, Mysore

**De-superheating Coil added in Fan Section. Coil is made of SS - 304 tubes Spirally finned with aluminium for minimum pressure drop on air side.**

### Advantages of De-superheating coil

- 10 to 15% saving in water Evaporation losses.
- Significant reduction in scale development on coil surface as Ammonia enters at substantial low temp around (45-50 Deg C) in coil.



Screw Compressor Condensing Unit



Screw Compressor Package