



WHO WE ARE:

- We are an Enterprise started operations in 2012, By Mechanical Engineers, with considerable Industrial Sales, Service and Project Execution Experience, in the field of Air Psychometrics.
- We are an Experienced Team to understand, assess and provide best possible solution with world class standard or custom designed and tailor made equipment for Controlling Temperature, Humidity and Industrial Ventilation.
- We are also supported by our European Partner's Knowledge and Experience in Dehumidification

WHAT WE DO:

- DE-HUMIDIFICATION – Desiccant and Refrigeration Dehumidifiers to Control of RH in Process, Production, Packing, Storage and other Areas of Low RH operations. Complete End to End solutions are provided, considering pre and post cooling requirements for dehumidifiers to maintain the desired temperature along with desired RH conditions.
- HUMIDIFICATION – Custom Designed and Tailor made Evaporative, Steam, Centrifugal and Ultrasonic Humidifiers for Increasing Humidity in Low RH areas, Increasing Product Moisture and other areas of high RH applications.
- SENSIBLE HEATING – Custom Designed and Tailor made Sensible Heater Banks and Hot Air Systems for Hot Air Generation with complete automation
- FLEXIBLE HOSES – Flexible hoses made in PVC, PU, Santoprene, Neoprene and silicone for air delivery, air suction, exhaust, material transfer and for high temperature applications.



DESICCANT TECHNOLOGY AIR DEHUMIDIFIERS:



We are the Technical Representatives and Authorised Distributors of DehuTech AB, Sweden (www.dehutech.com) for their range of Desiccant Air Dehumidifiers. We import complete assembled unit in ready to install and power condition, ensuring the quality, finish and performance meeting European standards.

DehuTech AB, Sweden make Air Dehumidifiers offer specific following advantages:

- Desiccant Rotor is designed to dehumidify 100% RH air from -30 Deg C to + 40 Deg C
- Made in Stainless Steel casing as standard up to 4500 CMH capacity
- Above 4500 CMH Capacity are made in Alu-Zinc hinged panels.
- All panels are insulated as standard from 800 CMH capacity onwards
- PTC type electrical heaters are used for reactivation, which will never over heat and does not require external control.
- Compact for any given capacity and require less foot space
- Saves Electricity from 20 to 40% based on the model and capacity and thus reduce running cost.
- PLC controller as standard and also as optional feature
- Pre and Post Cooling Coils pre fitted in Dehumidifier casing as per design requirement as optional requirement.



Desiccant (adsorption) dehumidifiers are used for numerous purposes within areas which differ greatly from one another. New applications constantly emerge, as awareness of the harmful effects of excessive humidity steadily increases. Typically Desiccant Air Dehumidifier is used for applications below 45% RH to 1% RH conditions at low temperature.

We also provide custom built dehumidification system with pre and post cooling arrangement with complete automation for specific applications.

REFRIGERATION TECHNOLOGY DEHUMIDIFIERS:



Comprehensive Range of Refrigeration Technology Dehumidifiers are available from 20 Ltrs/Day capacity to 720 Ltrs/Day capacity.

Commercial Models are made in ABS plastic from 20 Ltrs/Day to 70 Ltrs/Day capacity and Industrial Application Models are made in Powder Coated Steel Sheets / Stainless Steel Sheets from 60 Ltrs/Day to 720 Ltrs/Day capacity.

The following are the specific advantages of our Dewpoint Dehumidifiers

- CFC Free R134a or R 410 A Refrigerant
- High reliability Rotary compressors
- High Thermal Efficiency condensor and evaporator coils made in copper tubes with Aluminium fins and are hydrophylic coated.
- Self Contained Units with Electronic Control panel with humidity sensor and controller
- Stand Alone operation with no ducting requirement
- Internal Storage tank up to 168 Ltrs/Day capacity with provision for continuous drain. Higher capacity dehumidifiers are with continuous drain option.
- Easy to operate and Maintain

Recommended for use in high temperature and high humidity areas.



HUMIDIFIERS:

We Make customised and tailor made humidifiers with Adiabatic and IsoThermic Principles.

EVAPORATIVE TECHNOLOGY HUMIDIFIERS:

Evaporative humidifiers are made with high efficiency (up to 90%) cellulose pads which ensure clean, filtered and washed air with high humidity by water evaporation. No physical water particles are transferred. Evaporative Humidifiers are customised with complete automation to meet specific requirement. Recommended for Industrial Air Cooling, Ware House Humidification, Assembly Areas, and where physical water vapor or particles are not recommended in air stream.

ULTRASONIC TECHNOLOGY HUMIDIFIERS:



Evaporative Technology Humidifiers are also made with ultrasonic atomisers from 350 ml/hr capacity up to 20 ltrs / hr are made completely in S.S. 304 parts. Water is atomised in up to 5 micron size particles to generate fog which mix with air to increase humidity.

Recommended for use in Green Houses, Mushroom, Vegetation Growing, Arid Area and HVAC humidification applications.

ISOTHERMIC DIRECT HEATING HUMIDIFIERS:



Steam Humidifiers are custom designed and tailor made in complete S.S.304 parts with heavy duty, high density electrical immersion heaters with complete automation controls to generate semi saturated steam at atmospheric pressure, of various capacities.

Recommended for increasing humidity in process areas, for product processing such as tobacco, cashew etc., and for applications where product is required to gain moisture.

Equipment can be installed as standalone or integrated with AHU unit.

ISOTHERMIC INDIRECT HEATING HUMIDIFIERS



SENSIBLE HEATING SYSTEMS:



Sensible Air Heaters are custom designed and tailor made to meet specific requirement of Industry to generate hot air. Sensible Heating system is made with high density electrical heaters and with or without suitable capacity air blower with complete automation and safety controls. The complete system is designed as per the requirement and application.

Sensible heaters are used for bus bar heating, improving megger values in alternators and generators, post curing of special paints, coatings, product drying and many other industry applications.

FLEXIBLE HOSES:



Flexible Hoses are available in dia from 12 mm dia to 609 mm dia made in P.V.C, Flame Retardant PVC, Silicone, Neoprene, Santoprene and P.U for Air Supply, Air Suction, Contaminated Air Exhaust and for Material Transfer.

Flexible hoses are also available in flame retardant PVC (confirming to AE-V0) MOC.

Available in standard lengths from 3 mtrs to 30 mtrs depending on MOC, Dia and type of flexible hose.

DESICCANT ROTOR WITH / WITHOUT FRAME



Desiccant Rotors available in different diameters and width available with or without frame and drive mechanism.

Meet Us At: Regd Office: 9-8-60, Guduguntla Vari Street, Kasba Bazar, KHAMMAM – 507 001, T.S India

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