

Bry-Air

dryfacts



...from BRY-AIR

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ECO-COOL SHOWCASED

at ARBS 2000 Australia

Evaporative Cooling is the growing buzzword for comfort cooling in poultry, greenhouse and industrial spaces.

Ecocool Evaporative Cooling Pads, manufactured by Arctic India Engineering was displayed at the ARBS 2000 show in Melbourne, Australia recently.



Australia is one of the largest markets as well as exporters of desert coolers incorporating Evaporative Cooling Pads .

Arctic India Engineering, a Pahwa Enterprise, is one of the 3 manufacturers of cellulose-based "Evaporative Cooling Pads" in the world.

EcoCool ensures economical cooling of poultry farms, green houses, industrial and commercial areas; are compatible with every type of installation and are an ideal and economic retrofit to existing installations.



ECO-FRESH gets the LEADING EDGE

Arctic India Engineering(AIE) was awarded the "All India Trophy for Highest Exporter" in its category.



AIE manufactures state-of-the-art molecular sieve coated Enthalpy /Heat Recovery Cassettes, brand named "ECOFRESH" for Fresh Air Treatment, maintaining IAQ (Indoor Air Quality) and Saving Energy. Molecular sieve coated wheels minimize cross contamination .

While the company is manufacturing both desiccant and enthalpy rotors, it is about to establish the benchmark for the next threshold in desiccant rotors.

The group companies under the umbrella of Pahwa Enterprises manufactures and markets a wide range of air treatment related products like desiccant dehumidifiers, product dryers, heat heels, energy recovery ventilators and of course, cooling pads.

ECOFRESH is becoming the preferred wheel world wide and AIE is exporting ECOFRESH to OEMs as well direct users worldwide.



AC&HV

Beijing, China
Sept. 12-15, 2000,
Booth #174



M-PLAS, Malaysia,
Oct. 5-8, 2000,
Booth #D-17



WIRE & CABLE, India
Jan. 18-21, 2001
Booth #D-31



AHR, U.S.A.,
Jan. 29-31, 2001,
Booth #6843



CHINA REFRIGERATION, China
April 11-13, 2001
Booth #B-008

Preventing Moisture Regain during Bubble Gum Manufacturing

Chewing and Bubble Gums contain a large percentage of sugar or sugar based ingredients, all of which are hygroscopic.

Hygroscopic products are moisture sensitive. When the humidity is high these products regain moisture and become sticky and prone to mould formation. This inhibits natural flow as it sticks to the high speed processing and packaging machinery and also, the wrapping material. The processing, thus, slows down and also creates a problem of hygiene, resulting in loss of production as well as loss in the final quality product. Moisture gain also affects the shelf life of the product.



The solution to this problem lies in surrounding the processing, packaging and storage areas with dry air. Bry-Air Dehumidifiers have helped many chewing and bubble gum manufacturers to solve this "sticky" problem.



The manufacturers of the popular "Boomer" Bubble Gum when faced with similar problems installed Bry-Air Desiccant Dehumidifiers to maintain the required humidity conditions effectively.

Does your building suffer from 'Monsoon Sickness'?



Dry-Air on Rent !

Come monsoons and hotels, hospitals, commercial complexes, etc., with their conventional air conditioning systems suffer the menace of high humidity termed "Monsoon Sickness". Typical symptoms of monsoon sickness in buildings are damp interiors and problems like **fungal and bacterial growth, stale odour, heavy and sticky air making the occupants also sick and nauseated within the building.**

A desiccant based dehumidification system with its independent control of humidity provides that extra edge to the HVAC Systems in providing a comfortable ambience. The high investments involved for solving a seasonal/temporary problem more often leads the authorities to live with the problems, succumbing to the dismal effects like losing the clientele, reputation etc.

TDS has the best solution to such temporary moisture problems !

They offer Dehumidification Systems **ON RENT** with all technical support to install and operate the equipment to tackle temporary humidity problems with no capital outlay.

Contact:

Technical Drying Services (A) Pvt. Ltd.

Telefax (0124) 63433184/ 6343185

E-mail: tdsasia@ndf.vsnl.net.in

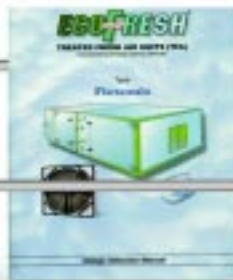
Website: www.tds-asia.com



New Additions for your Library



Bry-Air
Packet Handbook for Dehumidification Application
 The handbook is a quick reference guide for several recommended moisture barrier techniques for new construction, moisture regain of various material, conversion tables and psychometrics.



Eco-FRESH
Design Selection Manual for Treated Fresh Air Units
 This set of 2 manuals covers the A to Z of Ecofresh TFAs with exhaustive information on configuration and installation options, sizing...
 A must for every HVAC&R Designer of Fresh Air Treatment Systems.

WHEN MOISTURE IS TORTURE !

In this column we will share with you regularly our experience on major application areas where usage of dehumidification is both extensive and essential.

Ensuring Safety Glass is Safe !

Traditionally, safety glass has been used by the automobile or the aircraft industry. Automotive and Aircraft windscreens are made of very special glass called safety glass. In event of an accident or breakage the fragmented glass does not scatter, thus protecting the driver and the passengers.

SAFETY GLASS IN CONSTRUCTION

Today, the trend is changing and safety glass is being increasingly used by the Construction Industry.

As more and more high rise buildings are coming up to meet the rising demands of rapid urbanization of cities, futuristic looking building designs have become innate part the "Smart Building concept". Although, new designs are being developed every day and the trend of more and more building is towards designs all glass facade.

These buildings are increasingly using "safety glass".

WHAT MAKES SAFETY GLASS

"SAFE"

The safety element is ensured by a special bonding of the pieces of glass with a special film inside which holds the shattered glass together in the event of breakage.

MAKING SAFETY GLASS

"SAFE"

The thin, transparent plastic film, which is used as an adhesive between the layers of glass, is quite hygroscopic. During storage, prior to manufacturing and during the bonding process, if the film is allowed to absorb moisture, then moisture vaporizes during the autoclaving process and gets trapped between the layers of glass, as bubbles of moisture. The trapped moisture

reduces the clarity of the glass and the effectiveness of the bond between the two layers of glass, rendering the product unsafe

The solution lies in dehumidifying the glass laminating area. Maintaining RH conditions of 20-22% at 70°F (20°C) ensures that the plastic sheet does not regain moisture. The temperature control is not critical but should be in the comfort level for workers.

Bry-Air Dehumidifiers have effectively maintained the exact conditions needed for several Safety Glass and automobile manufacturers as well as Aircraft Manufacturers. Desiccant dehumidifiers are an effective method of humidity control at low temperature to prevent moisture regain in most hygroscopic products.

More specifically, in the manufacture, storage and use of this laminating adhesive plastic film, the desiccant dehumidifier creates a low humidity environment, making the safety glass safer.



Mass Customised
Reduced Footprint
Higher Performance

The New

Bry-Air

FVB Series

Industrial Dehumidifier



With High Performance, Fluted, Metal Silicate Desiccant Synthesised Rotor

- Lowest Volume/weight per CMH
- Capacity: 1500 cmh (880 cfm) to 7600 cmh (4473 cfm)
- Can be packaged with pre/ after cooling, by pass ducting & mixing chambers, volume controls, filter elements, etc. for complete environment control.
- CNC Fabricated, Powder Coated finish.

Visit us at :
www.bryair.com



Managing Bry-Air's Presence in Nepal

Peekay Impex

One of our oldest representative, Peekay Impex has been marketing our products in the Kingdom of Nepal since 1987. Headed by Mr.P.K.Suwal, Peekay Impex has trained engineers to support Bry-Air's products. Aided by Peekay Impex's aggressive marketing, Bry-Air has been able to establish itself as the leading supplier of



Dehumidifiers, Plastic Dryers and Wood Dryers in Nepal. It comes as no surprise that all leading PET Moulders in Nepal use

Bry-Air Dehumidifying Dryers.

Contact :

Peekay Impex team for all your problems of Humidity/ Moisture Control, Indoor Air Quality (IAQ) and Energy Recovery in Nepal.

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Check it out !!

www.drirotors.com

For complete information on methods of Enhancing IAQ (Indoor Air Quality), Energy Recovery, Evaporative Cooling.

ECC-COOL
 COOLING PADS

ECC-DRY
 DEH / DESICCANT ROTORS

ECO-FRESH
 ENTHALPY ROTORS

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