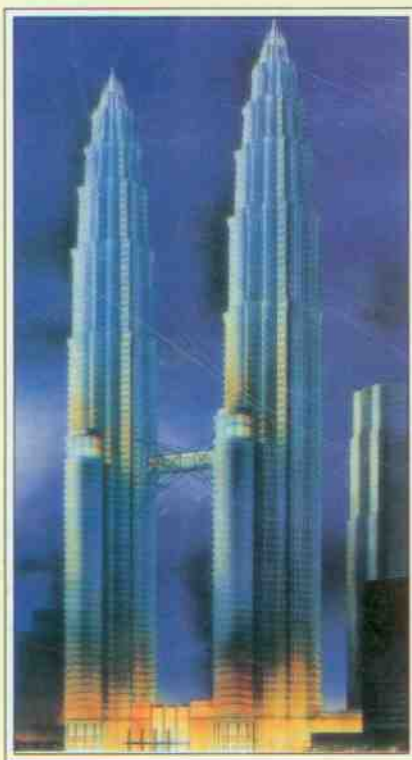


dry facts

...from BRY-AIR

BRY-AIR HEAT WHEELS FOR KLCC

"Kuala Lumpur City Centre : A Project that will single handedly redefine Kuala-Lumpur's facilities to meet the challenges of the future."



Kuala Lumpur, in its race to be on the forefront of development in this region, has seen it necessary to have a 'symbol' to portray this visionary commitment. The vision is to create 'a place where people can work, visit, shop, live and enjoy all aspects of life in a convenient, functional and pleasant environment'. Soon this vision will be physically realised in the form of the Kuala Lumpur City Centre (KLCC), a modern

monument of the time tested heritage and traditions of Kuala Lumpur and Malaysia.

An Environment - Friendly Colossus



The planners, designers and architects of the project have ensured that a 'quality environment' is maintained outdoors as well as indoors.

50 acres of area around the centre is being developed as 'A park of the people'.

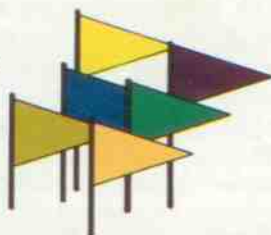
The Indoor air quality is to be maintained by integrating 14 Heat Recovery Wheels into the Airconditioning System. The incorporation of the heat wheels will allow for intake of fresh air at lower energy costs, thus, saving on energy as well as enhancing the indoor air quality for people visiting, working and living in the centre.



Happenings . . .

**THE REGION'S
LARGEST
INDUSTRIAL FAIR**
....ITM 1994

Bry-Air Malaysia was present at the region's largest industrial



fair, ITM 1994 at the Putra World Trade Centre, Kuala Lumpur from July 6-10, with it's wide range of products-Dehumidifiers, Heat Recovery Wheels, Energy Saving Preconditioners, and Heat Extractors. This year ITM attracted more than 30,000 visitors.

The 5th Asean Food Conference . . .

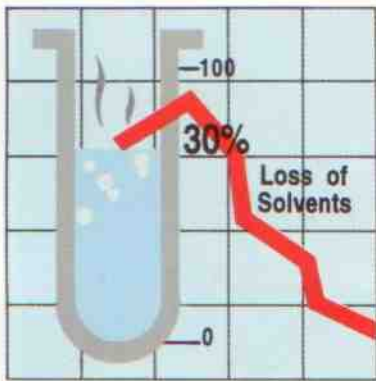
The 5th Asean Food Conference organised by the Malaysian Agriculture Research & Development Institute (MARDI), Malaysian Institute of Food Technology (MIFT), Ministry of Science, Technology and Environment, Malaysia, University Pertanian Malaysia (UPM) was held in Putra World Trade Centre from July 26-29, 1994.



Mr. A.P. Misra, Chief Executive, Bry-Air Malaysia, presented a paper on "Drying of Herb and Spices".

This conference fostered linkages, initiated new efforts to share information and exchange of experience which are vital to the prosperity of the food industry in the-ASEAN Region.

For a copy of the paper presented at the conference write to us.



DID YOU KNOW !!

More than 30% of Solvents used are lost in the Air . . .

. . . and these could be easily recovered and reused; reducing production costs as well as 'cleaning' up the air.

Production processes in Pharmaceutical, Printing, Packaging, Video Tape and Adhesive Tape manufacturing industries involve usage of large quantities of solvents, almost 2 to 3 times of the product itself and 20-30 percent of these solvents are lost in the air. Major percentage of the lost solvents/volatile organic compounds (VOCs) can be recovered for reuse.

Adsorption based solvent recovery systems can effectively recover solvents from the solvent laden air for further reuse or incineration as may be the requirement.

For more details on how solvent recovery system can recover lost solvents from the air, be there at the seminar on 16th Nov. 4.30 to 5.00 p.m. at Chemtech'94.

Write to us today for details.



Bry-Air is honoured to be invited to present a paper on "Desiccant Based Cooling Systems" at the ASHRAE Winter session in Jan'95 at Chicago. Col.

Ravinder Kumar (Retd.) Vice President, R&D, Bry-Air, will be presenting the paper.

The paper has been authored by Prof. P.L. Dhar, Deptt. of Mechanical Engg. IIT, Mr. Deepak Pahwa President, Bry-Air India and Col. Ravinder Kumar.

Bry-Air does it's 'bit' for ASHRAE Centenary.

Year 1994, is being celebrated world wide as the ASHRAE centennial year. ASHRAE India Chapter is organising a seminar on "Emerging Eco-Friendly Technologies in the AC & R Industry" as a part of the centennial celebrations. Bry-Air India is sponsoring the seminar scheduled on Nov. 30 at Holiday Inn. Write to us for more details and an invitation.

AN EVENTFUL QUARTER AHEAD!!

Bry-Air Engineers will be focussing on spreading the "Perfect Environment" solution at various forums in the coming months. Be sure to be there !

ENVIRONMENT MALAYSIA 1994

October 20, 1994, Kuala Lumpur

A Paper on "Energy Recovery in Ventilation Systems - An Update on Enthalpy Wheels" by Mr. A. P. MISRA, Bry-Air Malaysia.

MALAYSIAN INTERNATIONAL COCOA CONFERENCE

October, 20, 1994, Kuala Lumpur

A Paper on "Dehumidification Dryer : Application Possibilities in Cocoa Drying" by Mr. Mohan Dhingra, Bry-Air Malaysia.

TECHNICAL TALK. . . .

on "Heat Recovery from Exhaust and Dehumidification" on November 10, 1994, at Jabatan Kerja Raya, Deptt. of Mechanical Engineering, Kuala Lumpur, by Mr. Rick Mitchell, Semco, USA and Mr. Mohan Dhingra, Bry-Air Malaysia.

THE MANUFACTURING INDONESIA, 1994

November 29 - December 3, 1994

Display of Bry Air range by PT Mital Universal Jaya, Bry-Air Rep.

SEMINAR ON "Method of Dehumidification"

for Pharmaceutical, T.V. Station, Food and Packaging"

December 13, 1994 Manila, Philippines, by

NewEastech International Corporation, Bry Air Rep.

2ND HEAT TRANSFER & AIRCON. SEMINAR

December 14, 1994

Deptt. of Mechanical Engineering University of Malaysia, Kuala Lumpur

Paper on "Dehumidification and Heat Recovery"

by Mr. Mohan Dhingra.

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.



Corrosion

Do not let corrosion eat into your profits !!

Corrosion can be classified into two types -
- Inorganic and Organic.

In this issue, we will focus on Inorganic Corrosion.

- Corrosion is defined as destruction of a metal or alloy by chemical or electro-chemical reaction with its environment.

The major factors affecting rate of corrosion are -

- a voltage differential between pure and impure areas.
- temperature, humidity and oxygen in the air.

Some areas where effects of corrosion are self evident are :



Electronics

PCBs, ICs and other micro circuits are sensitive to 'microscopic' corrosion. Corrosion on circuit surface increase electrical resistance and decrease capacitance resulting in

breakdown and failures of computers, telecommunication equipment and other electronic items.



Defence

Moisture, silently, damages defence equipment impairing its reliability and delays availability in an emergency. Temperature fluctuations can produce wide range of humidity leading to condensation

which provide a base for - rusting and corrosion of steel and metal parts.



Industrial Storage Areas

Uncontrolled corrosion can result in rejection of more than 50% of stored components, precision parts, spare parts pre or post production.



Marine

Corrosion damages new construction, interiors, surfaces during sandblasting prior to painting, engine parts and many other sensitive equipments aboard the ship.

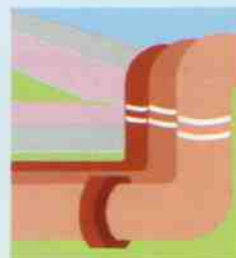


Power Plants

Turbines and power generators begin to rust while in storage, during plant shutdown and even when in operation.

Water treatment plant

Water due to ionization is constantly in motion, evaporation causes high relative humidity. Water vapours condensens on the cold surface like building structure, outside of pipes etc. leading to corrosion.



Aircraft Storage

Moisture damages avionics, engines and instrumentation. Dehumidification can prevent corrosion by maintaining a dry environment inside the aircrafts. The list is endless. From safety pins to aircrafts... all material suffer from effects of corrosion.



Research and experience has proved that the rate of corrosion of metals is dependant mainly on relative humidity and atmospheric pollution. Corrosion is checked if the RH is maintained under 40%.

Bry-Air desiccant dehumidifiers can effectively provide the controlled environment necessary to check the rate of corrosion.



A Sneak Preview

Two Product introductions to the range of Bry Air air engineering systems.

Continuing with it's commitment to create a better indoor environment, Bry-Air invites you to a display of it's 'Indoor Air Quality' products at the Chemtech'94. The other products

on display will be, dehumidifier, compressed air dryers and the energy recovery system like the heat wheel, heat pipe, heat exchanger and the heat extractor.

At the Chemtech'94, Bry-Air introduces -

Solvent Recovery Systems

Eco-Fresh, the Energy Saving Pre-conditioner

Solvent Recovery

Organic compounds are used in many industries as auxiliary agents for many processes. Major part of these solvents are exhausted in the air causing, loss of expensive solvents, bad smell and air pollution by volatile organic compounds (VOCs).



Solvent Recovery Systems help to recover solvents from the air, reuse or incinerate, as may be required.

APPLICATIONS

CONCENTRATION	RECOVERY	
Pharmaceutical	Pharmaceutical	
Chemicals	Chemicals	
Automobiles	Automobiles	
Textile		
	Film	



... for 100% Fresh Air without extra load on the airconditioner.

Airconditioning systems are designed to provide comfort temperature with minimum possible fresh air intake, (to keep energy costs down). Also, airconditioners waste a lot of energy exhausting out the cool air for ventilation. The result is less fresh air indoors. Recirculation of stale air leads to the "Sick Building Syndrome". Headaches, nausea, lung diseases and worse are attributed to poor IAQ.



Eco - Fresh ESP introduces the requisite fresh air, exhausting the pollutant filled stale air without adding load on the airconditioner.



See for yourself how *Eco - Fresh* can provide a better environment for you and your customers. Walk in to our booth (B-115) at the Chemtech'94 NSE Exhibition Complex, Western Express High, Goregaon, Bombay for a live demonstration.

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