

Bry-Air

dryfacts

...from BRY-AIR



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Bry-Air Asia Acquires Global Rights from Bry-Air Inc, USA

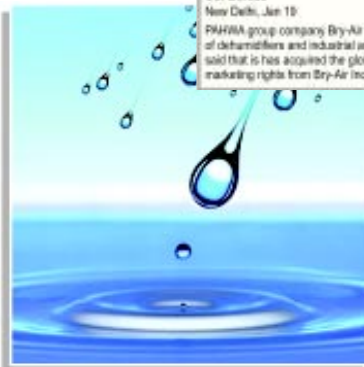
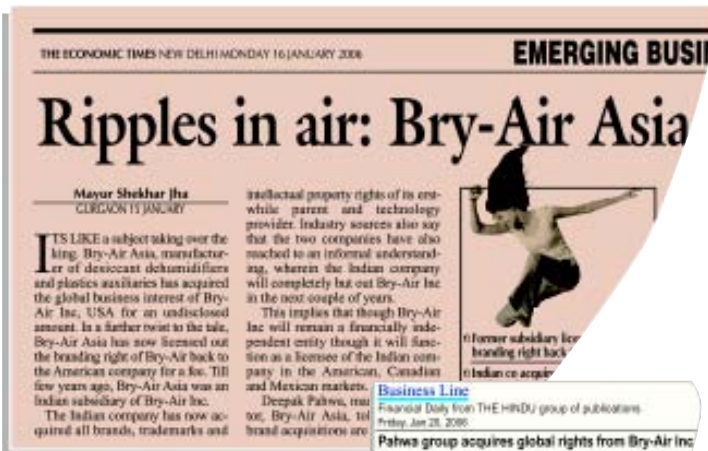
Bry-Air (Asia), part of the Pahwa group, has acquired the global business interests and marketing rights from Bry-Air Inc., USA, which includes the **Bry-Air brand and all trademarks** of Bry-Air Inc., USA.

Bry-Air Inc. USA will remain an autonomous and financially independent corporation with manufacturing, sales and marketing rights licensed for USA, Canada and Mexico from Bry-Air (Asia).

This follows the acquisition by the Pahwa group earlier of Puriflair India from SPX Air-treatment, a Fortune global company, and an MOU with Blue Star Ltd. to provide quality air management equipment and solutions to the HVAC & R industry in Asia.

Deepak Pahwa, CMD announced at the recent board meeting

that with these acquisitions and other business initiatives, the group is



Business Line
Financial Daily from THE HINDU group of publications
Friday, Jan 28, 2006
Pahwa group acquires global rights from Bry-Air Inc
Our Bureau
New Delhi, Jan 19
PAHWA group company Bry-Air (Asia) Pvt Ltd, manufacturer of dehumidifiers and industrial air treatment equipment, has said that it has acquired the global business interests and marketing rights from Bry-Air Inc. USA.

poised for a four fold increase in turnover by the end of this decade.

Bry-Air is a world leader in dehumidification and industrial air treatment with applications in practically every industry, ranging from pharma, food processing, plastics and electronics to hospitality and defense.

Pahwa Enterprises is a Rs. 110 crore plus operation with four manufacturing plants in India, a fully owned subsidiary in Malaysia and a network of

offices in India, China, Korea, Thailand, Indonesia, Malaysia, Dubai, South Africa, Australia, Europe, USA and Brazil. It exports to over 40 countries including Japan, Korea, Europe and USA, which accounts for about 40% of the group's turnover.

In keeping with its leadership position, Bry-Air has set up the Bry-Air Learning Institute for Advanced HVAC & R (called BALI in short) and instituted Awards for Excellence in HVAC & R, the first of their kind in the industry.

THE FINANCIAL EXPRESS / Mumbai/Coim, Friday, November 18, 2005
Blue Star, Arctic join hands
Blue Star has joined hands with Arctic India, an erstwhile Indian air quality management solutions.

ARCTIC INDIA ENGINEERING

is now

DESICCANT ROTORS INTERNATIONAL . . .



There is change in the air ! The process of globalisation requires a constant change. Some of our high tech components/products supplied to USA, Europe, Japan, etc by our export division, Desiccant Rotors International (DRI) have gained wide acceptance abroad. In India, the same products are manufactured and sold by Arctic India Engineering. To streamline and have one identity the world over for this group company, we have changed the name from Arctic India Engineering Pvt. Ltd. to Desiccant Rotors International . . . DRI.

more at www.drirotors.com

Moisture Menace in Confectionery



Chocolates, hard candies, chewing gums, bubble gums, etc contain a large percentage of sugar or sugar-based ingredients which are hygroscopic.

When the humidity is high, these products regain moisture and become sticky and prone to mould formation. This inhibits the natural flow as it sticks to the high speed processing and packaging machinery and also to the wrapping material. The processing thus slows



Humidity : A threat to Confectionery Quality



The solution to the problem lies in maintaining required stringent conditions of temperature and humidity and in surrounding the



processing, packaging and storage areas with dry air. Bry-Air Dehumidifiers lower the moisture content of the surrounding air maintaining RH as low as 1% at a constant level regardless of the ambient conditions during the production, storage and packing to help improve the quality and retain the freshness of the chocolates longer.

down and also creates a problem of hygiene, resulting in loss of production as well as loss in the final product quality.

Uncontrolled humidity/moisture during the manufacturing and coating process of confectionery causes

- Change in the structure/dimension of the film core interface
- Grainy and irregular coating
- Increase in residual moisture content and improper adhesion i.e. degradation of coating quality presence of moisture
- Sugar bloom and change in flavor.



Bry-Air dehumidifiers have been helping to ensure required humidity conditions are maintained in processing, coating, packaging areas of many confectionery biggies like Cadbury, Wrigley, Nestle, M&M, Perfetti, etc. Bry Air Dehumidifiers have been successfully functioning during the gum coating process at the Wrigley company's facilities in Kenya and India.

Chocolates need to be stored at $35 \pm 5\%$ RH at 25°C for safe storage in order to retain its original flavour and aroma. Cadbury installed Bry-Air dehumidifier when it was facing environmental challenges in its Food Drinks Packing hall factory causing increased machine downtime, poor product quality, etc.

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.

Moisture problems in Switchgear Rooms !

The term **Switchgear**, commonly used in association with the electric power system, or grid, refers to the combination of electrical disconnects and/or circuit breakers meant to isolate equipment in or near an electrical substation. Power distribution sub-stations have to handle high voltages. High voltage indoor switchboards are generally installed in the switch rooms of the sub-stations. The switchgear distributes power at various voltage levels. Switchboards contain a lot of insulated conductors like Busbars. The insulations used

in the modern day switchboards can be either condenser type where insulation is made of either synthetic resin bonded paper (SRBP) and conducting aluminium foil in alternating



layers or cast resin encapsulated type where cast resin is used instead of SRBP.

Effect of Moisture/Humidity

Uncontrolled humidity/moisture is the single major cause for all losses due to short-circuiting in the

switchgear rooms. The whole switchgear needs to be changed once it is damaged due to short-circuiting. This leads to a huge financial loss, as these are extremely high value equipment. Additionally, there is also revenue loss due to power outage.

The Solution

Switchgear failure due to short circuiting can be avoided by controlling the moisture levels to less than 50% RH at ambient condition in the room

or in conjunction with an air-conditioner, if the switchgear needs temperature controlled environment also. Humidity control by dehumidifying switch



rooms ensures, that the insulating components do not fail as it eliminates flash over in the case of SRBP insulation and in the case of cast resin or insulated sleeve insulation, dehumidification keeps the dust dry so that it can be wiped off easily, from time to time.



The **Bry-Air** Solution

The simplest and most cost effective method to control humidity is to install Bry-Air Dehumidifier. Bry-Air Dehumidifiers can maintain RH as low as 1% or even lower at a constant level, regardless of ambient conditions during production, processing, storage and packaging.

Bry-Air has installed dehumidifiers in switchgear rooms controlling humidity at required conditions at power stations in Titagarh, Prinsep St., Bellur, Kasba, New Ballygunge, etc.





The Big 5 Show 2005, Dubai
Showcasing the latest in desiccant technology.



ACLIMA 2005, Israel
Bry-Air range showcased at Aclima 2005, Israel.



Visitor from Malaysia
From the Visitors Book : "Thank you, it was very impressive and productive presentation. This is a future business for air treatment". – Target Resources



RHVAC, Bangkok
Bry-Air Bangkok team re-established its association with HVAC industry in Thailand at the show. The enquiries received at booth are keeping the team busy.



Our Numbers have changed

Please note our new communication details.

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Bry-Air Plant Bry-Air (Asia) Pvt. Ltd. 419-420, Udyog Vihar, Phase - III, Gurgaon 1220015	☎ Ph. : 5184444 📠 Fax. : 5184400	☎ Ph. : 4184444 📠 Fax. : 4184400



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