



# Dry facts

...from Arctic India Sales

JULY --- AUGUST --- SEPTEMBER - 91

Vol. XI No. 3

**Bry-Air**

## TIES UP WITH L&T

### TO MARKET IT'S PLASTIC EQUIPMENT

Bry-Air (India) Pvt. Ltd., Delhi, has embarked upon market expansion with a Selling Agency Agreement with Larson & Turbo Ltd., (L&T) for Bry -Air range of plastic auxillary equipment such as plastic (resin) dryers, hoppers, loaders, mould dehumidification systems and pneumatic conveying systems alongwith L&T's new range of Injection Moulding Machines.

L&T will be shortly introducing in this market segment a range of Hi-Tech Injection Moulding Machines manufactured by its subsidiary Company, L&T-Macneil Limited. It will therefore, be synergistic for L&T to offer these auxilliary equipment as a package

alongwith its Injection Moulding Machines.

The entire Bry-Air range of equipment including the plastic dryer range are offered in India by Arctic India Sales, which has a well established sales network in the country. Arctic India Sales will continue selling the plastic drying range through it's network.

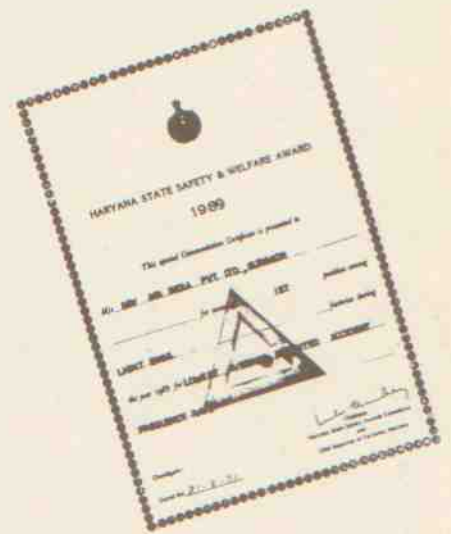
The plastic dryers and other plastic auxillary equipment are required by plastic processors, particularly in the segment of technical mouldings of engineering plastics to ensure that the resin is in a dry state before moulding in order to obtain best quality of finished products.



Mr. Deepak Pahwa  
President Bry Air  
(India) Pvt. Ltd. &  
Mr. Kalyan Chakravarty  
GM - Group VI,  
L & T

**Bry-Air**

## 'Wins 1989-90 the Safety Award'



The Bry Air India plant at Gurgaon, Haryana was the proud recipient of the safety award for the year 1989-90, on August 21, 1991 presented by Hon'able Chief Minister Ch. Bhajan Lal. This award is given to the plant having the lowest average number of accidents in a year. The award has come to Bry Air India for the second time in the last three years.

**That's some achievement !**

**Keep it up Bry Air!**

**Country wide  
seminar cum  
workshop**

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## Country wide seminar cum workshop

Arctic India Sales and Bry Air organised a series of technical seminars recently on Maximising energy savings using Heat Wheel in HVAC Industry as a follow up on it's launch seminars on Heat Wheel in April this year. These seminars were conducted by Mr. Richard Mitchell, a specialist on Heat Wheel from SEMCO USA and was attended by the stalwarts from the Aircon industry. The seminars helped to clear many aspects of applicability of Heat Wheel in the Indian context. The Heat Wheel is already an accepted technology worldwide.

Arctic India Sales will continue to promote the concept of Waste Energy recovery through exhibitions, seminar & workshop. The rotary heat wheel and heat pipe heat

exchanger will be on display at the Arctic India stall at ENCON'91 Delhi and IBPL - Urja Foundation Exhibition, Bombay.



## PHARMATECH'91

*Pharmaceutical Exhibition & Conference.*

Bombay was the venue for the Pharma show of the year organised by Industry's oldest organisation, **Pharmaceutical & Allied Manufacturers and Distributors Association Ltd (PAMDAL)** to celebrate and commemorate its Golden Jubilee. Arctic India having close links with the Pharma Industry, was naturally a participant.

The highlights of the display booth at AIS was the 'MFB' - the latest compact dehumidifier introduction from Bry-Air and the smallest wall mounted **DC-121** compressed air dryers. Both these equipments find large application in the Pharma Industry.

For, those who missed the exhibition for one reason or another, we take this opportunity to invite all of you to the Arctic India Sales Stall at IPC'91 at Goa in December.



**Training  
for perfection**

.....Abdul Aziz  
from Bry Air Malaysia

# When Moisture is Torture!!!

## SAY IT WITH CHOCOLATES —!!

**CHOCOLATES !!!** The very mention of the word sets the taste buds tingling of young and old alike. It builds bridges, breaks the ice and — and — well — one can get poetic — or downright hungry at the mention of chocolates.

### Behind the scene !!

The manufacturing process of chocolates and candies right from the point when cocoa is bought in, to the packing and shipping out stage demands stringent humidity and temperature control.

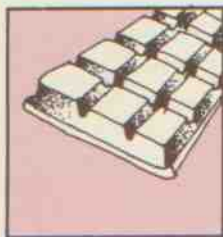
Moisture spoils the chocolates. When its tempered, moisture or steam usually get into it. And chocolate once spoiled by moisture cannot be restored to its original condition.

Hence the importance of keeping chocolates free from dampness during manufacturing process. Bry Air dehumidifiers offers the only suitable solution to prevent damage by excessive humidity. The various stages in chocolate manufacturing where humidity control is a must are mainly

**chocolate coating areas, packing rooms and storage areas.**

Storage Guidelines  
Found in a  
Chocolate Box

**GUARANTEE**  
Our products are manufactured from the choicest raw materials under the most modern and hygienic conditions. Every precaution is taken to ensure that they leave our factory in a fresh and perfect condition.  
Chocolates are very sensitive to changes in temperature and humidity. This may cause the chocolates to show white spots and in some cases turn completely white. This is called blooming and is caused by the cocoa butter contained in the chocolate.  
**WE RECOMMEND THAT CHOCOLATES BE KEPT IN A COOL AND DRY PLACE.**



### Chocolate Coating Areas

Chocolate coatings are applied to the entire material by two ways: either formed by hand or cast in starch or rubber molds and then dipped by hand or enrobed mechanically. Setting of chocolate is controlled by conditioning the air in

the dipping room. The conditions usually recommended for achieving uniform distributions are RH at 50% or lower at 24-27 deg.C. temperature. Such precise condition can only be maintained by a dehumidifier.



### Candy Coating

Any coated candy like gumballs or chocolate covered nuts can benefit from using dry air to speed drying, as high temperatures would melt the product. For gumballs, the gloss of the coating is enhanced by using dry air, and the

air from desiccant dehumidifiers, is less likely to stick together in the coating pan. Coated candy or chocolates with a high quality glossy surface finish can only be obtained with the aid of dry air from desiccant dehumidifiers



### Packing Rooms

Manufacturers often overlook the fact that the air in the packing room has moisture while chocolate are being packed in one of the moisture proof packets. Controlling this air in context to humidity and temperature is very essential

as presence of moisture would make chocolates lose their luster or show sugar bloom and would develop either a sticky or grained surface depending on the formula used.

### Storage of Chocolates

Development of Departmental stores or super markets has lengthened the storage time at the retailers. Most candies are held between one week to about a year between manufacture and consumption. It is important that the chocolate or candy does not lose its quality during that time.

Benefits from conditioned storage of candies where humidity and temperature is controlled are various, like -

- (1) Insects are rendered inactive at temperatures below 9 deg.C.
- (2) the tendency to become stale & rancid is reduced
- (3) candies remain firm as an assurance against sticking to wrapper or being smashed
- (4) loss of colour, aroma and flavour

### WHY BRY AIR DEHUMIDIFIERS ?

*Bry Air's desiccant type of dehumidifiers can be successfully employed in coating areas, packing rooms and storage places to maintain the required stringent conditions. Bry Air's chemical dehumidifiers remove moisture from the air through a process of continuous physical adsorption. Desiccant employed is adsorbent, non-toxic, and can be continuously regenerated indefinitely. And as the equipment works independent of dewpoint, it can maintain RH up to 1% and therefore proves to be an ideal choice for chocolate manufacturers.*



**Protect the taste with Bry-Air.!!**



# PRODUCT INTRODUCTIONS FROM ARCTIC INDIA SALES.

## '2-in-1' DIGITAL RH TEMPERATURE INDICATOR

**BRYTHERM** - A technically innovative product to read RH and dry bulb temperature more accurately.

**BRYTHERM** - An electronic digital two instruments combined into one compact unit to read both RH & dry bulb temperature.

**BRYTHERM** - For direct reading of RH & dry bulb temperature without need to select different probes or measurement range.

### BRYTHERM FEATURE HIGHLIGHTS

1. Solid state Macro Molecular RH sensor.
2. Display for both % RH and temperature.
3. Portable, Battery powered
4. Low battery indicator and power consumption
5. LSI based circuit
6. Compact ABS cabinet
7. High stability and quick response.
8. Excellent performance even at elevated temperatures.

*\*Brytherm is also available in panel mounting type.*



Ideal for \* pharmaceutical \* textile \* food \* computer installation  
\* electronics industries \* warehouses and dehumidifiers installations.

## Huba Control Switches

for fine pressure and flow measurement

Pressure switches are used to measure pressure and flow rate. Huba control of Germany manufacture and market the very best quality pressure switches worldwide.

The entire range of quality pressure switches and transmitter manufactured by Huba Control is now available from Arctic India Sales.

### Wide Range

A wide range of pressure switches and pressure transmitters are available to handle varied pressure .....

#### PRESSURE SWITCHES

- Upto 10 m bar
- Upto 600 m bar
- Upto 6000 m bar
- Upto 220 m bar
- Upto 100 m bar

#### PRESSURE TRANSMITTER

- Upto 25 m bar
- Upto 40 m bar
- Upto 1000 m bar

### Application Area

- \* HVAC Systems
- \* Industrial Automation
- \* Monitoring of neutral, dry and non aggressive gas.
- \* for preventing overheating in air heaters.
- \* for prevention of freezing in heat exchangers.
- \* to control flow in ventilating ducts
- \* Chemical Industry
- \* Food Industry
- \* Pneumatic control system and many more .....

For details of models and specification, please contact :

**Arctic India Sales** (Instruments Division)  
20-Rajpur Road, Delhi-110 054.