

dry facts

www.bryair.com

Leaders in Dehumidification...Worldwide

PAWA GROUP
Innovation is life

DRI™
Innovative Air Solutions

delair®
The Compressed Air Treatment System Company

TDS
Air Solutions on Rent

APRIL-MAY-JUNE 2018

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Bry-Air®

bags EEPIC India National Award Yet Again!



Mr. Dinesh Gupta, President-Bry-Air, receiving the award

Bry-Air has been consistently winning the EEPIC India National Award for Export Excellence over the last decade.

Bry-Air has acclaimed the award in the category-Exports of High-Technology Products for the year 2016-17. This accolade truly expresses Bry-Air's capability to deliver quality products of international standards. Bry-Air is constantly striving to expand its existing installation base of over 85 countries with existing international representatives in over 65 countries.

In addition to this, Bry-Air has fully owned subsidiaries in China, Malaysia, Switzerland and Brazil apart from three state-of-the-art manufacturing facilities in India.

Bry-Air holds first series of seminars on 'New Air Technologies'

For increasing customer awareness, Bry-Air organised seminars in India and Middle East. In the series, the Airingers talk about BrySmart Dehumidifier, which can save upto 48% energy and Adsorption Chiller, which provides energy cooling solution using waste heat along with other group company products.

"Umang Sharma" receives Datukship by Malaysian King



Mr. Umang Sharma, Director & CEO-Bry-Air Malaysia bestowed by Malaysian king

Bry-Air Malaysia Sdn Bhd, Director & CEO, Mr. Umang Sharma, has been awarded with Panglima Mahkota Wilayah (PMW), which carries the title DATUK.

The award was presented by Yang di-Pertuan Agong, Mohammad V, King of Malaysia at Istana Negara. He has been conferred the DATUK title for his contribution in promoting bilateral trade and investments between India and Malaysia.

Datuk is a traditional title conferred by Malaysian Royalty award equivalent to Indian Padam Shri.





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Optimizing the cold store to maximize revenue growth



Cold stores play a crucial role in food distribution system and prolonging the shelf life of a food product.

The change in lifestyle has created the demand for processed and packaged food round the year and in-turn the demand for cold refrigerated warehouses. Also, lack of food supply and distribution system have played an important role in developing the cold storages. During the storage, supply and distribution of food products, maintaining their freshness is the biggest challenge.

To maintain the freshness, the food products are kept in a defined environment to reduce the risk of damage and extending their shelf life.

Mostly, the perishable products such as meat, poultry, seafood, fruits and vegetables are stored at lowest safe temperature and humidity level to increase storage life. Apart from it, concentration of carbon dioxide, ethylene are restricted as per the requirement of different stored products.

Depending on the type of food product being stored, Bry-Air provides customised solutions to take care of dehumidification, fresh air ventilation, and removal of harmful gases like ethylene and carbon dioxide.

Condensation and Frost Prevention

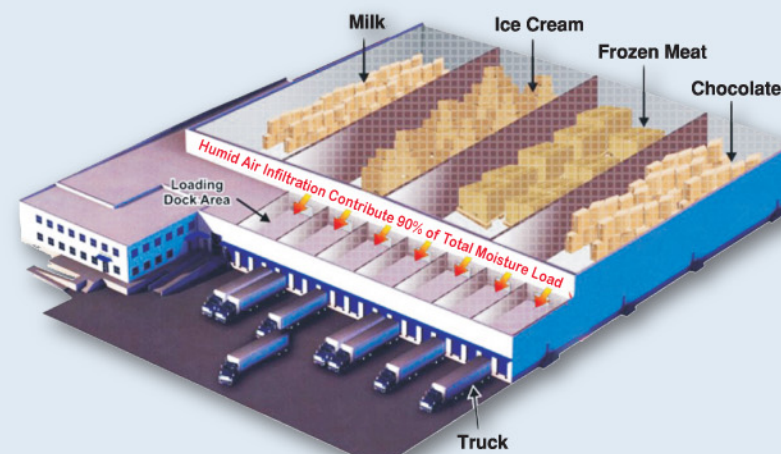
Problem-During, the loading and unloading of food items, the moisture load increases because of the door opening. It brings in the fresh air with higher moisture content. When the temperature falls below the dew point the moisture condenses on the cold surfaces like evaporator coils. It leads to the following problems:

- Ice build-up on evaporator coils
- Inefficient cooling
- Frosting
- Product spoilage and sagging cartons
- Dripping and slippery floors

Solution-The most practical solution to tackle above challenges while maintaining the efficiency of freezing equipment is to incorporate sorbtion based humidity control equipment in the system. Certain quantity of fresh air, duly dehumidified must be introduced near the loading dock to create positive pressure, and to prevent ingress of moisture laden air while opening of the docking doors at time of loading. **In a nutshell, install a 'Dehumidified Air Curtain' in the loading dock area.**



CE certified | Backed by Brycare Service



Ethylene Removal

Problem-The fruits and vegetables emit gaseous hormones named as Ethylene. Ethylene degrades the fruits and vegetables, causes the following problems.

- Over ripening
- Rotting
- Internal browning
- Sprouting of seeds

Some fruits and vegetables such as apple, pear, plum releases ethylene in higher concentration. Also a variety of fruits and vegetables are sensitive to ethylene such as apple, banana, guavas etc.

Solution-Bry-Air Ethylene Scrubber (BES) extends post-harvest shelf life of fruits and vegetables. It also helps in retaining their natural essence. BES minimizes loss due to decay by removing ethylene in the cold store by process of adsorption and chemisorption. It ensures off season availability of fruits and vegetables and eliminates harmful preservation practice of using Nitrogen and Sulphur gas for removing ethylene.



Carbon Dioxide Reduction

Problem-When carbon dioxide (CO₂) level increases in cold store it causes various problems, such as:

- Black heart
- Sprouting
- Reduced processing quality
- High utility bill

Dilution is the best solution to limit the CO₂ levels with in the acceptable limits. The conventional method opted by cold storage owners is opening up the windows to introduce fresh air into the cold storage chambers and thus diluting high CO₂ concentrations. However, introducing fresh air directly into the chambers increases the load on refrigeration systems and results in higher utility bills.

Solution-In order to maintain the CO₂ concentrations and circulation of fresh air in a cost effective way, DRI offers TFA (Treated Fresh Air unit) and ERVi (Energy Recovery Ventilator) with next generation heat recovery wheels. It helps in ventilate your cold storage chambers at low energy costs.



Cool Large Areas Economically™



Ducted/Direct Evaporative Coolers
Range available up to 1,70,000 CMH (1,00,000 CFM)

Evaporative Cooling is environment friendly and energy efficient method of cooling large buildings. The regular air conditioning unit is expensive and consumes more energy, whereas DRI Arctic Direct Evaporative Coolers are considered as one of the healthiest ways to cool. It replaces stale air with clean, cool and fresh air. While air conditioning system, re-circulates the air inside the building which increase the growth of airborne germs, foul odour and bad IAQ. DRI offers economical, scalable and sustainable Arctic Evaporative Coolers with wide range up to 1,70,000 CMH (1,00,000 CFM). It is ideal for warehouses, shop floors, banquets, multi-purpose halls, cinema halls, religious places, schools, hotels, restaurants, malls, hospitals, kitchen ventilation etc.

- ◆ Compact & sturdy design for rooftop & side wall installations
- ◆ Manageable Weight
- ◆ Low operating noise
- ◆ Designed to be plug and play & do not require site assembly, even at higher air-flows
- ◆ High Cooling Efficiency

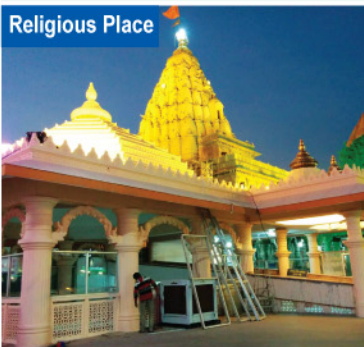


Restaurant

- ◆ Unique Design incorporating rigid media **eccCOOL®** Evaporative Cooling Pads
- ◆ Unique 3 side air intake design enables maximum air to wet pad contact because of comparatively lower face velocity on the pads
- ◆ Low running cost
- ◆ Easy to install & maintain



Hospital



Religious Place

Benefits of Evaporative Cooling:

- Green Air conditioning
- Energy efficient
- Cost Effective



Plastic

and many more . . .

Read more details on www.drirotors.com



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