FLi series
Designed for High Performance

www.bryair.com
**Bry-Air** FLi series engineered dehumidifiers are designed and manufactured to ensure they meet the most complex and stringent humidity/moisture control needs across diversified industries like pharmaceutical, food, chemicals, defence, electronics, power etc. Designed aesthetically, FLi series dehumidifiers can be packaged with:
- pre-filter
- after filter
- pre-cooling (fresh air cooling)
- post cooling
- bypass arrangement for complete air handling and environment control needs.

Engineered to highest consistency, reliability and ecological standards the FLi series industrial dehumidifiers removes moisture from the air on a continuous basis. The FLi series incorporates the highly effective EcoDry metal silicate desiccant synthesized rotor to meet the industry needs for an equipment with small footprint coupled with high moisture removal capability.

**At the heart of it all**

**Advantages with EcoDry™ inside:**
- Adsorbent, non-toxic, non-flammable, fully water washable.
- In situ synthesized metal silicate desiccant on an inert organic fibre substrate.
- Active desiccant 80% of the media weight, so as to ensure high performance and minimal heat carry-over.
- Rotor is non-flammable. The net organics in the honeycomb media less than 2%.
- Rotor incorporates robust internal structure with perimeter flange for industrial quality, durability and easy serviceability.
- Special edge hardened media surface to ensure a smooth surface and long life of both, media and the seal contacting it.
- Rotor perimeter flange extends media and seal life.
- Insulation of process and reactivation air flow sectors
- Multiple choice of reactivation heat source - electrical, steam, thermic fluid, direct/indirect fired gas
- Flexibility of stainless steel internal skin available for specialized applications in the food, pharmaceutical and other critical industry applications
- Minimized air leakage (equipped with EU-4 grade filters and unique PTFE bonded bulb seal design)
- Durability
- Allow to hold panel without any fastener
- Add extra strength
- Ease of servicing
- Ease of installation
- Airtight, easy to package and integrate additional pre/after volume/weight per CMH and additional moisture removal
- Volume control dampers for both (P&R) air flow.
- Auto/Manual selector switch
- Quick serviceability & maintenance free operation
- Rotor is water washable
- Versatile, Easy to package and handle
- Ease of operation and maintenance
- Supervision of operation
- Fault management
- Continuous data log
- Display of operative parameters
- RS232/RS485 serial data interface
- BMS compatibility
- Reactivation cool down safety device
- Stainless steel construction
- Supervision of operation
- Display of operative parameters
- IP based controls result in low running costs.
- Availability of trend analysis on real time controlling and data logging reducing the break-down time and technical staff without being at site, thus ensuring peace of mind to the customers.
- BryCare has a team of trained and experienced technicians who ensure that your dehumidifier equipment stays in good running condition, causes less production downtime and assures peace of mind on their investments.

**Leaders in Dehumidification... Worldwide**

A global solution provider for desiccant dehumidification and product drying, Bry-Air can provide you tailor-made solutions to your humidity, moisture and environmental control problems.
Standard Features

- **High Efficiency and Reliability**
  - Enhanced moisture removal capabilities
  - Fitted with a high performance EcoDry rotor that ensures low volume/weight per CMH and additional moisture removal
  - Minimized air leakage (equipped with EU-4 grade filters and unique PTFE bonded bulb seal design)

- **Superior design**
  - Totally self-contained unit
  - Robust stainless steel frame with double skin construction, internal GI sheet and precoated external skin for longer life
  - CNC fabricated with industrial grade coating
  - Flexibility of stainless steel internal skin available for specialized applications in the food, pharmaceutical and other critical industry applications
  - Multiple choice of reactivation heat source - electrical, steam, thermic fluid, direct/indirect fired gas
  - In bolt process bypass for custom designing of process air flow or process temperature control
  - Insulation of process and reactivation air flow sectors

- **Ease of installation**
  - Small footprint

- **Ease of Operation and maintenance**
  - Versatile, Easy to package and handle

- **Customization options available**
  - Humidity Control by humidistat on/off
  - Airtight, easy to package and integrate additional pre/after cooler modules, higher grade filter
  - Stainless steel construction
  - Reactivation cool down safety device
  - Microprocessor based state of the art BrySmart controller provides digital display of status of faults, warning, temperature and RH.
  - Ethernet
  - Bacnet
  - Modbus
  - Remote Connectivity

**Remote Connectivity**

- Real time monitoring/control of dehumidifier for both stand-alone and customized systems from remote locations
- Quick troubleshooting by expert technical staff without being at site, thus reducing the break-down time and related costs.
- Helps optimize energy utilization based on data logging and corresponding solutions.
- IP based controls result in low running costs.
- Assists customer in authorization on data logging and set parameter changes
- Availability of trend analysis on real time basis.

**BryCare™**

BryCare™ is Bry-Air's Dehumidifier Service division. BryCare has a team of trained and experienced technicians who ensure that your dehumidifier equipment stays in good running condition, causes less production downtime and provides high return on investment.

With BryCare's speedy, quality and reliable services, industrialists and plant owners are assured peace of mind on their dehumidifier investments.

www.bryair.com
**FLi series** Specification... Process Airflow - 2500 CMH to 25000 CMH

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<tr>
<th>Model</th>
<th>ROTOR DEPTH</th>
<th>PURGE</th>
<th>PROCESS AIR FLOW CMH</th>
<th>PROCESS ESP (pa.)</th>
<th>PROCESS MOTOR KW</th>
<th>REACT AIR FLOW CMH</th>
<th>REACT ESP (pa.)</th>
<th>REACT MOTOR KW</th>
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Note: • Other voltage available are 200/220/240/415/440/460 VAC, 3Ph, 50/60 Hz
• FLi 15000 and FLi 25000 come with 200mm and 400mm rotor options and with or without purge.
• Because of our policy of continuous product improvements, specifications are subject to change without notice.
Unlimited Range

Engineered Dehumidifier
2500 CMH to 25000 CMH and above

Plastics Auxiliary Equipment
for Drying, Conveying, Blending, Heating & Cooling and Mould Dehumidification

High Temperature Heat Recovery Wheel

Gas Phase Filtration for removal of corrosive & odorous gases

Adsorption Chillers
Use low grade waste heat for Energysmart Green Cooling

Fresh Air solutions for Green HVAC and Evaporative cooling

Product Portfolio

Bry-Air®
Leaders in Dehumidification... Worldwide

Air Solutions on Rent for
- Industrial Projects Solutions
- Surface Preparation & Coating
- Water Damage Restoration
- Comfortable Working Conditions

www.bryair.com
...Pharma
- Gelatin Drying
- Soft Gelatine Capsule Drying
- Ampoule Manufacturing
- Animal Rooms
- Biological Manufacturing
- Biomedical Dry Rooms
- Colloid Manufacturing
- Cough Drop Manufacturing
- Cough Syrup Manufacturing
- Diagnostic Reagent Powders
- Effervescent Manufacturing
- Gelatin (Powder) Processing
- Glandular Products
- Hypodermic Tablets
- Liver Extracts
- Manufacture of Glandular Extracts
- Manufacture of Liver Extracts
- Micro Analysis
- Milling Room
- Powder Manufacturing
- Serums
- Tablet Coating
- Tablet Compressing
- Vial Filling
- Capsule Storage
- Cryogenic Cylinder Storage/Manufacturing
- Powder Storage
- Storage of Anti Alpha Drugs
- Storage of Powder & Tablets
- Manufactured Powder and Packing Area
- Penicillin Packaging
- General Pharmaceutical

and many more...

...Food
- Biscuit / Cookie Storage
- Confectionery Manufacturing
- Chocolate Manufacturing
- Chocolate Storage
- Cracker & Wafer Packaging
- Dried Vegetable Storage
- Dry Soup Packaging
- Fruit Drying/Dehydrating
- Fruit Drying
- Honey (Uncured) Drying
- Potato Chip Processing/Storage
- Dehydrated Food
- Spices / Herbs
- Vegetable Dehydration
- Yeast Making
- Sugar Storage
- Cold Storages
- Powder Food
- Mushroom Drying
- Sausage Storage
- Meat & Poultry
- Tea Industry
- Coffee Industry
- Health Food
- Seed Drying & Storage
- Dry Powder Conveying
- Food Concentrate

...Electronics/Electricals
- PCB Assembly
- Semiconductor Assembly
- Cable Wrapping
- Coil & Transformer Winding
- Electrical Control Panels
- Filament Winding
- Fuse Loading
- Lightning Arrestor Manufacturing
- Thermal Circuit Breakers
- Transformer Manufacturing
- Electric Transformer Storage
- Manufacturing Lab. (Elec. Instruments)
- Tungsten Filament Mfg. & Storage

...Pharma
- Gelatin Drying
- Soft Gelatine Capsule Drying
- Ampoule Manufacturing
- Animal Rooms
- Biological Manufacturing
- Biomedical Dry Rooms
- Colloid Manufacturing
- Cough Drop Manufacturing
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- Storage of Anti Alpha Drugs
- Storage of Powder & Tablets
- Manufactured Powder and Packing Area
- Penicillin Packaging
- General Pharmaceutical

and many more...

...Defence
- Assembly of Jet Engines
- Assembly of Electronics
- Missile Assembly
- Aircraft Armament Storage
- Airplanes
- Ammunitions/Weapons Storage
- Civil Aircraft Corrosion Protection
- Gun Powder/Solid Fuel Storage
- Howitzers Storage/Layup
- Helicopter Storage
- Leather (Uniform, Boots)
- Tank & Armour Layup / Preparedness
- Tank Storage
- Map & Drawing Storage
- Military Aircraft Avionics Protection
- Missile Body Welding
- Missiles
- Ships
- Spare Parts Storage
- Parachute Drying
- Propellant Mixing & Casting
- Radar Aerial Dishes
- Engine Testing Rooms

...and many more
Unlimited Applications

Bry-Air Dehumidifiers help to remove humidity to the desired constant level by removing moisture from air effectively and economically. They are used successfully for research and development, manufacturing, processing, drying, testing, storage and packaging in almost all industries.

...Electronics/Electricals
- PCB Assembly
- Semiconductor Assembly
- Cable Wrapping
- Coil & Transformer Winding
- Electrical Control Panels
- Filament Winding
- Fuse Loading
- Lightning Arrestor Manufacturing
- Thermal Circuit Breakers
- Transformer Manufacturing
- Electric Transformer Storage
- Manufacturing Lab. (Elec. Instruments)
- Tungsten Filament Mfg. & Storage

...Defence
- Assembly of Jet Engines
- Assembly of Electronics
- Missile Assembly
- Aircraft Armament Storage
- Airplanes
- Ammunitions/Weapons Storage
- Civil Aircraft Corrosion Protection
- Gun Powder/Solid Fuel Storage
- Howitzers Storage/Layup
- Helicopter Storage
- Leather (Uniform, Boots)
- Tank & Armour Layup / Preparedness
- Tank Storage
- Map & Drawing Storage
- Military Aircraft Avionics Protection
- Missile Body Welding
- Missiles
- Ships
- Spare Parts Storage
- Parachute Drying
- Propellant Mixing & Casting
- Radar Aerial Dishes
- Engine Testing Rooms

...Lithium Batteries

...Safety Glass

...and many more

Some of our customers... worldwide

Installations in over 85 countries

www.bryair.com
We are never too far from you...

...touching people's lives round the clock™

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<tr>
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**Innovation both in technology as well as business processes is the driving philosophy of the Pahwa Group.**

**Leaders in Dehumidification... Worldwide**

**BRY-AIR (ASIA) PVT. LTD.**

**Cutting edge Technologies**

The Group has filed 107 International Patent applications in 12 new technologies (2009-2016) of which 21 have already been granted.

**Strong R&D and Testing**

Govt recognized R&D labs and 8 in-house Test labs

**World class Engineering & Manufacturing**

Vertically integrated state-of-the-art engineering and manufacturing capability with in-house 3D designing, CNC, Powder Coating for customized solutions

**Innovation both in technology as well as business processes is the driving philosophy of the Pahwa Group.**

**An ISO 9001:2008 and 14001:2004 Company**

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