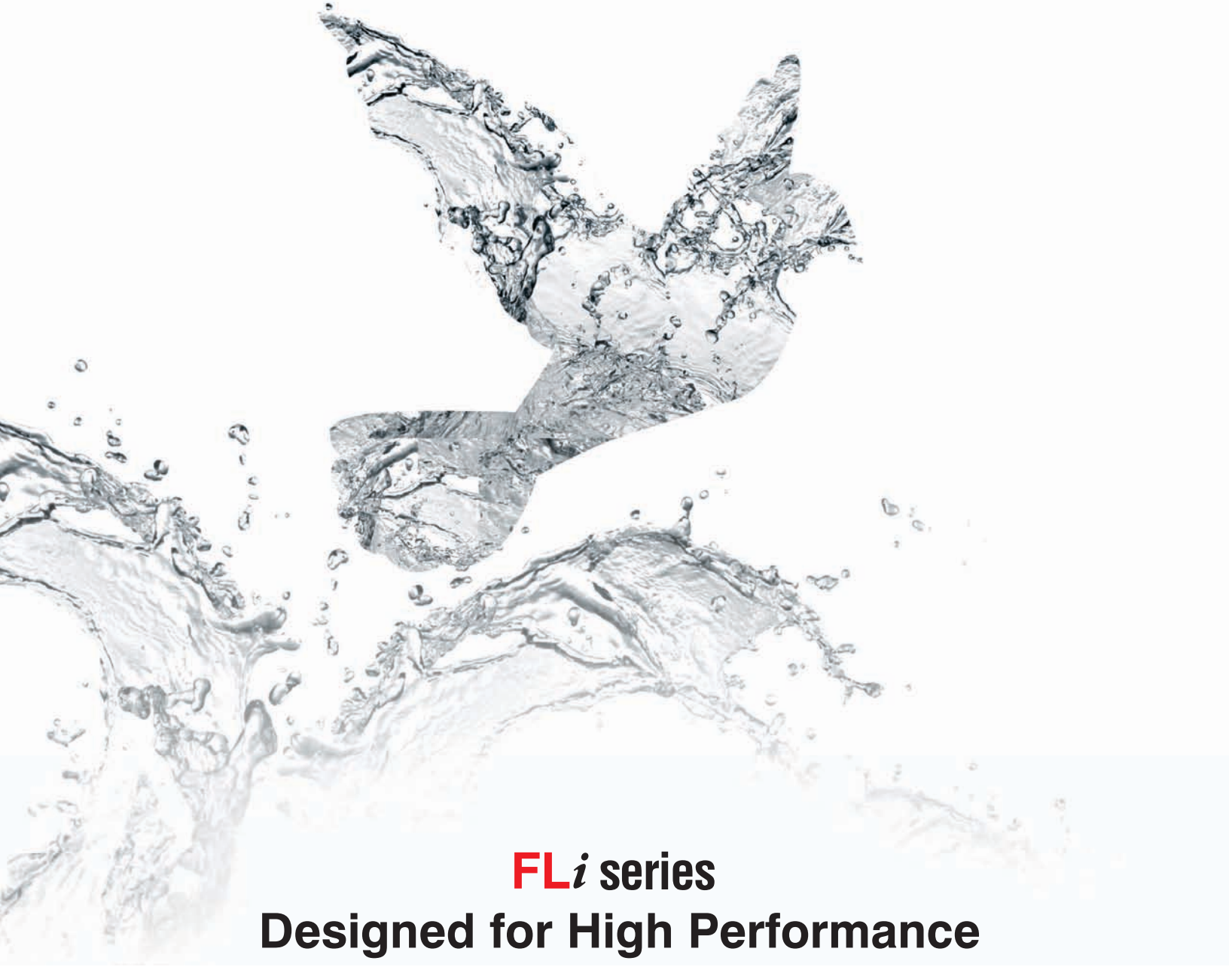
Bry-Air® FL*i* series

Dehumidifiers



FL*i* series
Designed for High Performance

www.bryair.com

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

Bry-Air® FL*i* 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, **FL*i* 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.



* Registered Design no. 220139



BRYSMART CONTROL PANEL

Microprocessor based PLC with
- Supervision of operation
- Fault management
- Continuous data log
- Display of operative parameters
- RS232/RS485 serial data interface
- BMS compatibility (Modbus, Profibus-optional)
- Remote fault warning output
- Spare control output
- Intelligent re-start following power failure
- Alpha numeric fault display
- Real time clock
- Battery backup setting

INSPECTION WINDOW
- Inspect bed rotation on running condition of unit

SS HOLLOW TUBE (IMPORTED)
- Durability
- Allow to hold panel without any fastener
- Add extra strength

DOOR LOCK
- Ease of servicing

SKID
- MS construction
- Add extra strength in unit
- Easy for lifting & shifting during transportation
- No transite damage in unit
- No foundation required at site

Bry-Air® FL*i* series has a special fabrication of stainless tubing framework (* Registered Design no. 220139) with a special jointing as well as construction of the panel within the framework unlike a standard AHU. This ensures • vapor tight construction as per SMACNA class 6 • zero leakage and • ease of transportation across terrains.

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%.
- 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.
- Rotor incorporates robust internal structure with perimeter flange for industrial quality, durability and easy serviceability.



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 skid 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
  - Versatile, Easy to package and handle
- **Ease of operation and maintenance**
  - Rotor is water washable
  - Quick serviceability & maintenance free operation
  - Auto/Manual selector switch
  - Volume control dampers for both (P&R) air flow.
  - Easy tool free access to all components
- **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.

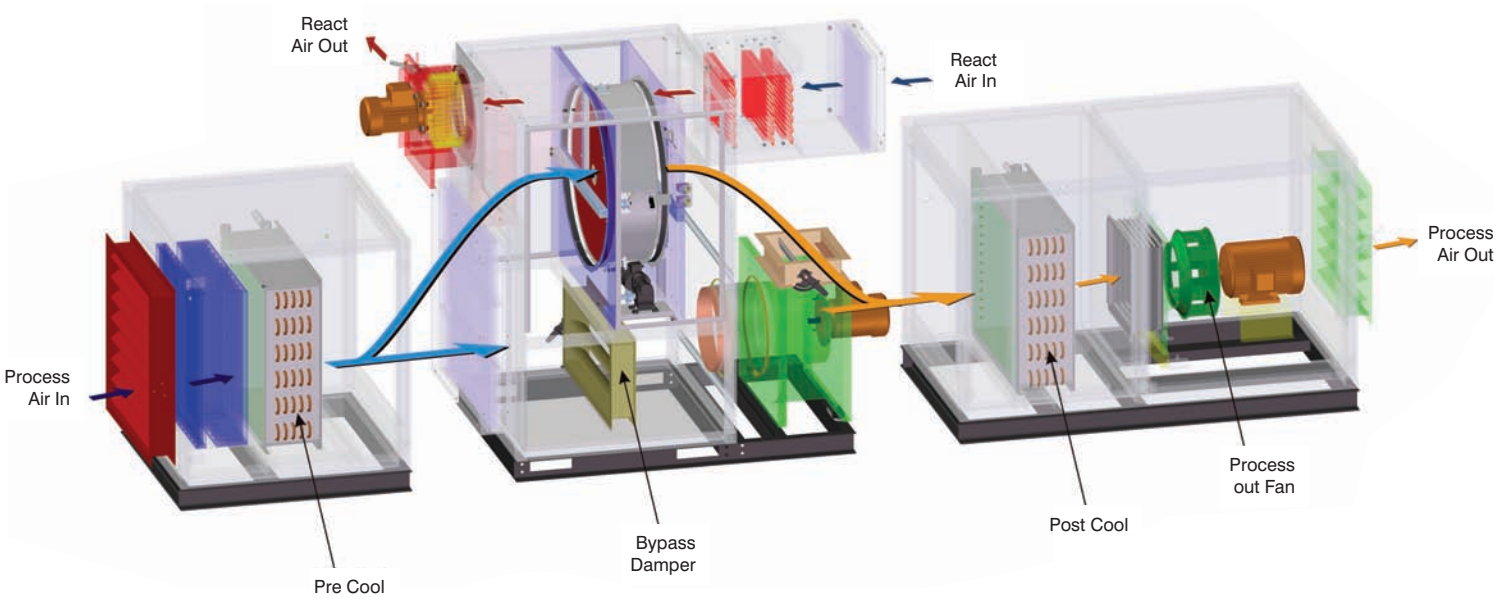
BryCare™

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.



Over 50 Bry-Air® years of excellence



FL*i* series Specification... Process Airflow - 2500 CMH to 2500 CMH

Model	ROTOR DEPTH	PURGE	PROCESS AIR FLOW CMH	PROCESS ESP (pa.)	PROCESS MOTOR KW	REACT AIR FLOW CMH	REACT ESP (pa.)	REACT MOTOR KW	REACT HEATER KW	POWER* REQD.	Approx Weight (kg.)	Dimension (L x D x H)
Fl*i* 2500	200	NO	2500	300	1.5	833	250	0.746	26	415/3/50	500	2600 x 1220 x 1770
Fl*i* 3000	200	NO	3000	300	1.5	1000	250	0.746	33	415/3/50	500	2600 x 1220 x 1770
Fl*i* 4200	200	NO	4200	300	2.2	1400	250	1.1	46	415/3/50	550	2600 x 1220 x 1770
Fl*i* 5000	200	NO	5000	300	3.7	1667	250	1.1	53	415/3/50	550	2600 x 1220 x 1770
Fl*i* 6200	200	NO	6200	300	2.2	2067	250	1.5	64	415/3/50	950	2600 x 1400 x 1950
Fl*i* 7300	200	NO	7300	300	3.7	2433	250	1.5	76	415/3/50	950	2600 x 1400 x 1950
Fl*i* 8000	200	NO	8000	300	3.7	2667	250	1.5	85	415/3/50	1025	2730 x 1600 x 2150
Fl*i* 9000	200	NO	9000	300	3.7	3000	250	2.2	96	415/3/50	1050	2730 x 1600 x 2150
Fl*i* 10500	200	NO	10500	300	3.7	3500	250	2.24	114	415/3/50	1050	2730 x 1600 x 2150
Fl*i* 15000	200	NO	15000	350	7.5	5000	250	3.7	178.5	415/3/50	2000	3850 x 2050 x 2350
Fl*i* 15000	400	NO	15000	350	9.3	5000	250	5.5	178.5	415/3/50	2150	3850 x 2050 x 2350
Fl*i* 15000	200	YES	15000	350	7.5	5000	250	5.5	168	415/3/50	2000	3850 x 2050 x 2350
Fl*i* 15000	400	YES	15000	350	9.3	5000	250	7.5	168	415/3/50	2150	3850 x 2050 x 2350
Fl*i* 25000	200	NO	25000	350	11	8333	250	7.5	294	415/3/50	2650	4350 x 2400 x 3000
Fl*i* 25000	400	NO	25000	350	15	8333	250	7.5	294	415/3/50	2800	4350 x 2400 x 3000
Fl*i* 25000	200	YES	25000	350	11	8333	250	7.5	273	415/3/50	2650	4350 x 2400 x 3000
Fl*i* 25000	400	YES	25000	350	15	8333	250	15	273	415/3/50	2800	4350 x 2400 x 3000

Note: • Other voltage available are 200/220/240/415/440/460 VAC, 3Ph, 50/60 Hz
• Fl*i* 15000 and Fl*i* 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

EcoDry Desiccant Dehumidifiers

BryCool

BryPool for Indoor Swimming Pool

Compact Dehumidifiers 170 CMH to 3000 CMH

Tray Dryer for Drying Seeds and Agro Products

PAHWA GROUP
Innovation is life

Product Portfolio

Bry-Air®

LeadersinDehumidification ...Worldwide

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



AdsorptionChillers
Use low grade waste heat for **Energysmart** Green Cooling



TDS™
Air Solutions on Rent

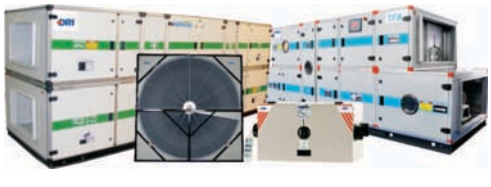
AIR ON RENT SOLUTIONS

Air Solutions on RENT for

- Industrial Projects Solutions
- Surface Preparation & Coating
- Water Damage Restoration
- Comfortable Working Conditions

DRI™
Innovative Air Solutions

Fresh Air solutions for Green HVAC and Evaporative cooling







delair®
The Compressed Air Treatment System Company

Compressed Air & Gas Dryers and Accessories



www.bryair.com

Over 50 years of excellence — Bry-Air®

...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...

Some of our customers... worldwide

BAYER, Pfizer, PARKE-DAVIS, HETERO, Lilly, RANBAXY, Panacea Biotec, Dabur, SmithKline Beecham, Johnson & Johnson, BASF, Abbott Laboratories, DAICEL, Boots, CADILA, Abbott, SANDOZ, LUPIN LABORATORIES LIMITED

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

Some of our customers... worldwide

Coca-Cola, Haldiram's, BRITANNIA, Knorr, Cadbury, RELIANCE, PERFETTI van Melle, Dabur, Nestlé, TATA, M&M's, QUAKER, Kellogg's, Peet's Coffee & Tea, Nestlé, JEFI, Wattie's, Parry's, Unilever, Brooke Bond, Godrej, RaSna, WRIGLEY'S, Parry's

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

We are never too far from you...

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



PAHWA GROUP

- Plants
- Associate Plants
- Own Sales & Service offices
- Rep. Network

- Installations in over 85 Countries
- 11 Manufacturing Facilities
- 1400+ Employees in 6 Continents
- Representatives in over 60 Countries

PAHWA™ GROUP
Innovation is life



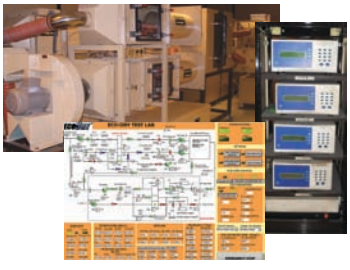
Innovation both in technology as well as business processes is the driving philosophy of the Pahwa Group.

12

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

Bry-Air®

Leaders in Dehumidification... Worldwide

Enter Bry-Air... exit moisture™

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