# Bry-Air® FLi (Jr) SERIES DESICCANT DEHUMIDIFIERS



## YOUR MOISTURE REMOVAL PARTNER . . .

**High efficiency and reliability**

- A totally self contained unit.
- Robust stainless steel frame with double skin construction, internal GI sheet.
- CNC fabricated with industrial grade coating.
- High moisture removal.
- EU-3 grade leak tight filters for air intakes.
- Multiple choice of reactivation heat source: electrical, steam, thermic fluid, direct/indirect fired gas.
- In-bolt process by-pass for custom designing of process air flow or process tempreature control.
- Easy addition of pre/after cooler, higher grade filter.
- Rotor incorporates robust internal structure with perimeter flange for industrial quality and durability.
- Rotor perimeter flange extend media and seal life.
- Rotor is non-flammable with organic < 2%.
- Edge hard face coating on rotor edge ensures long life and good sealing for media and seals.
- Process and reactivation air flow sectors are insulated.
- Unique PTFE bonded bulb seal design; minimized air leakage.

**Easy to operate**

- Suitable for continuous operation.
- Auto/manual selector switch.
- Volume control dampers for both (P&R) air flow.

**Easy to install**

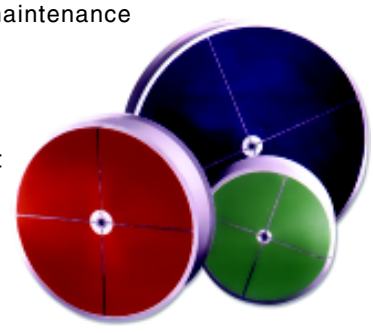
- Versatile, easy to package and handle.
- Small footprints; low volume/weight per CMH.

**Easy to maintain**

- Rotor is water washable.
- Quick serviceability and maintenance free-operation.

**Options**

- Humidity control by humidistat on/off.
- Stainless steel construction.
- Bry-Smart Controller.



# The Choice for Desiccant Dehumidification™

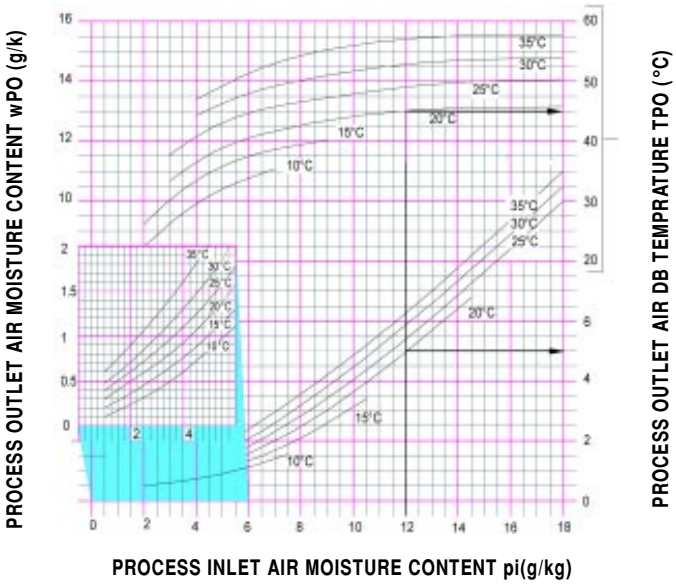
## FL*i* (Jr) Series Specifications

| Model | 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.) |
|---|---|---|---|---|---|---|---|---|---|
| FL*i* (Jr) 1000 | 1000 | 300 | 1.1 | 333 | 250 | 0.37 | 12 | 415/3/50 | 200 |
| FL*i* (Jr) 1500 | 1500 | 300 | 1.1 | 500 | 250 | 0.75 | 18 | 415/3/50 | 225 |
| FL*i* (Jr) 2000 | 2000 | 300 | 1.5 | 667 | 250 | 1.1 | 24 | 415/3/50 | 250 |

***Note : Other voltage available are 200/220/240/415/440/460 VAC, 3Ph, 50/60 Hz.**

## FL*i* (Jr) Series Performance Chart

Performance carts are for nominal process airflow within the operating range each FL*i* Series and assumes XPI = XRI. Please consult Bry-Air for other specific condition.




**Example :**

**Conditions :**

Process inlet w PI = 12g/kg,

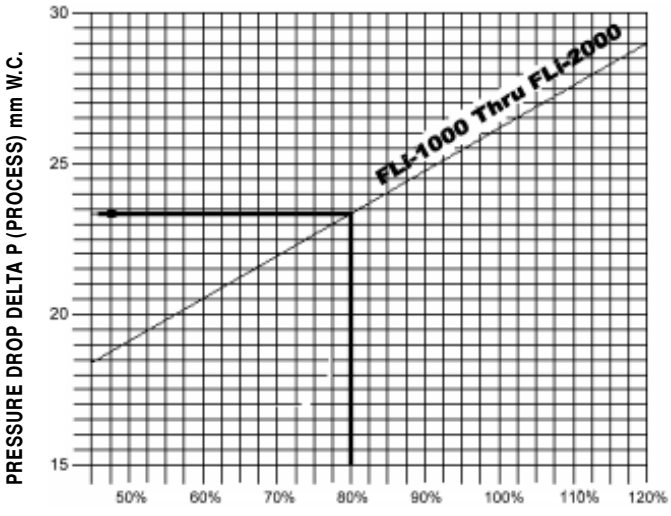
Process inlet T PI = 20°C

**Chart data :**

Process outlet w PO = 5g/kg,

Process outlet T PO = 46.5°C

## FL*i* (Jr) Series Pressure Drop Chart




**Example :**

Model FL*i* - 2000

Process air volume = 1600 $m^3/h$

Air volume = 80%

$\Delta$ P (Process) = 23.4 mm w.c.

## 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.

### Processing & Production Areas :

- Breweries
- Electronics
- Chemicals and Petrochemicals
- Food
- Pharmaceuticals
- Photographicfilms
- Safetyglass
- Sandblasting, etc.

### Storage :

- Corrosive metals
- Electronics
- Food
- Leather
- Seed
- Military hardware
- Sugar
- Precision components, etc.

### Packaging :

- Chemicals
- Dairy products
- Fertilizers
- Tea / Coffee
- Hygroscopic powders, etc.

### Protection of :

- Defence equipments
- Power plant lay-up
- Water treatment plants, etc.


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*An ISO 9001:2000 and 14001 Company*

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