

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 temperature 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

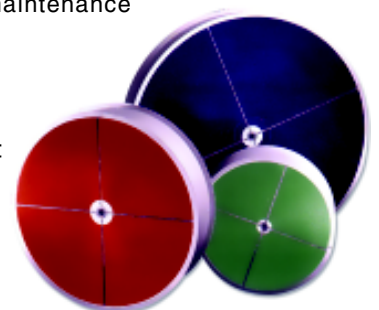
- ◆ Versatile, easy to package and handle.
- ◆ Small footprints; low volume/weight per CMH.

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™

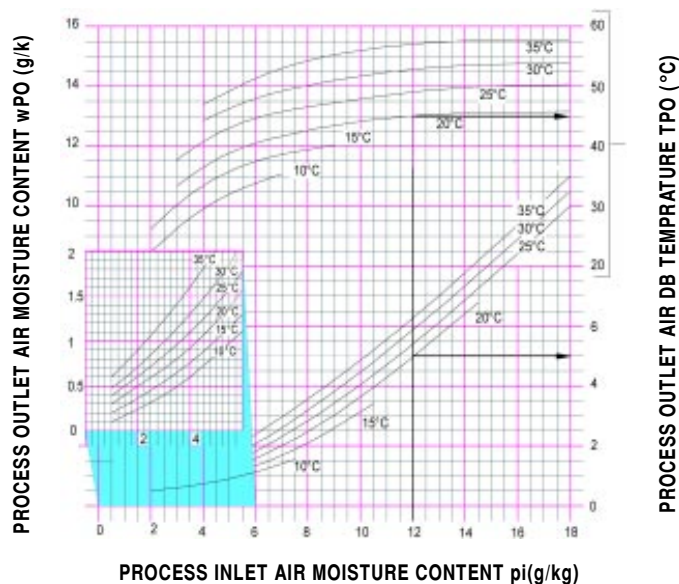
FLi (Jr) Series Specifications

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* Req'd.	Approx Weight (kg.)
FLi (Jr) 1000	1000	300	1.1	333	250	0.37	12	415/3/50	200
FLi (Jr) 1500	1500	300	1.1	500	250	0.75	18	415/3/50	225
FLi (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.

FLi (Jr) Series Performance Chart

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



Example :

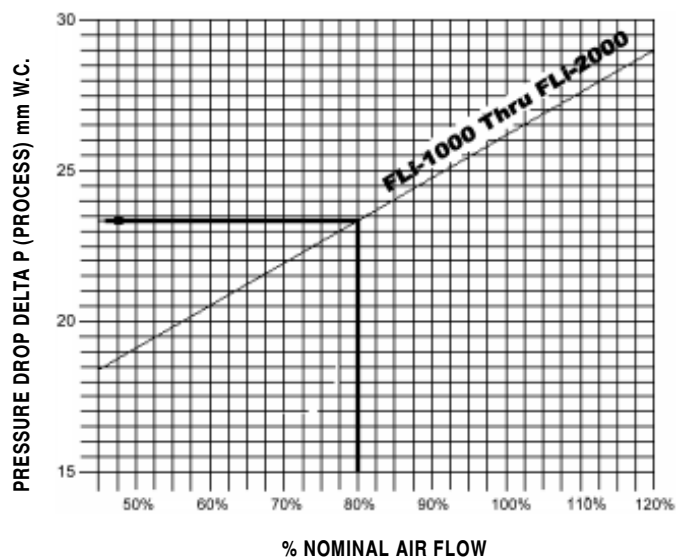
Conditions :

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

FLi (Jr) Series Pressure Drop Chart



Example :

Model FLi - 2000

Process air volume = 1600 m³/h

Air volume = 80%

Δ 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
- Photographic films • Safety glass
- 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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