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**Product Name :**  
Adsorptive Air Drying

**Product Code :**  
LBNY-0005-12700030



#### **Description :**

Continuous adsorptive air drying  
2 compressors to deliver the feed air and regenerative air out of the ambient atmosphere  
Humidification of the feed air by flowing through a water bath  
Adjustment of regenerative air and feed air flow rates by valves  
2 columns for alternating charging and regeneration of the adsorbent  
Adjustment of relative humidity and temperature of feed air by heater  
Heater for temperature adjustment of the regenerative air  
Observation of mass transfer zone by using transparent columns and adsorbent with indicator  
Circular system with pump and refrigeration system to adjust the water bath temperature.

#### **Technical Specification :**

2 columns  
Height: approx. 800mm  
Diameter: approx. 80mm  
2 electric air heaters  
Power output (regeneration): 2x 250W  
Power output (feed air): 160W  
Refrigeration system  
Refrigerating capacity: 395W at temperature  
Difference 10K / 250L  
2 compressors  
Max. flow rate: 8m<sup>3</sup>/h

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Max. Positive pressure: 1bar  
Humidifier pump  
Max. head: 1,5m  
Max. Flow rate: 600l/h  
Measuring ranges  
Air humidity: 4x 0...100% rel.  
Water temperature: 1x 0...50°C  
Flow rate: 2x 0...10nm<sup>3</sup>/h  
Air temperature: 3x 0...50°C; 1x 0...200°C,  
1x -25...125°C.



**Laboratory Instrument India**