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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: 8m³/h

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...10nm³/h
Air temperature: 3x 0...50°C; 1x 0...200°C,
1x -25...125°C.



Laboratory Instrument India