

M 5478 Series Regenerative Dehumidification System



The M 5478 Regenerative Dehumidification System provides low humidity levels to gloveboxes, chambers and dry boxes. Regenerative desiccant air dryers play a vital role in laboratories and industrial processes by providing the dry, clean air necessary for controlled environments and accurate analysis. The system is an open-loop system consisting of a dual-column regenerative desiccant dryer operating from compressed air at 50-100 psi.

Applications


- **Sample Preparation:** Dry air prevents moisture contamination.
- **Testing and Characterization:** Controlled humidity is essential for accurate material testing, including tensile, corrosion, and electrical conductivity.
- **Drug Development and Manufacturing:** Dry air protects moisture-sensitive pharmaceuticals during manufacturing, packaging, and storage.
- **Formulation and Stability Studies:** Precise humidity control ensures accurate drug formulation stability studies, maintaining long-term effectiveness.
- **Cell Culture and Bioprocessing:** Low humidity can prevent contamination and promote optimal cell growth in certain applications.


Key Features

- **Unwavering Reliability:** Delivers consistently dry air for your most critical applications.
- **Space-Saving Design:** Compact footprint for easy integration into tight spaces.
- **Exceptional Drying Power:** Achieves a -40°F pressure dew point (ISO 8573.1 Class 2).
- **Consistent Performance:** Solid-state timer with memory ensures reliable, repeatable drying cycles.
- **Maximum Energy Efficiency:** Optimized design minimizes energy consumption and operating costs.

D02100 Rev A

Questions? Here's how to contact our experts

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M 5478 Series Regenerative Dehumidification System

Regenerative Desiccant System

PERFORMANCE:

Output Flow Rate 120 SCFH @ 90 psig.

MECHANICAL

External Dimensions: 10.5" W x 9.5" D x 4" H

Material: Polycarbonate Construction

Weight: 5.5 lbs.

HARDWARE PORTS:

Two ¼ Inch Quick Connects

ELECTRICAL

Voltage: 90VAC to 264VAC, 47 to 63 Hz

Max Power Consumption: 11 W

CONTROLLER COMPATIBILITY

ETS Model 5100, 5200, and 5300 Series Controllers



ETS products are fully supported by our team of experts
Contact: service@ets2.com for assistance.

