

# Heatless Regenerative Desiccant Air Dryer

This heatless regenerative desiccant air dryer removes moisture from compressed air or gas streams. It utilizes two desiccant towers, which alternate between drying and regeneration cycles to ensure a continuous supply of dry air.



## Overview

### High-Efficiency Moisture Removal

This heatless regenerative desiccant air dryer utilizes advanced pressure adsorption principles to deliver superior compressed air quality. Designed with a dual-tower configuration, the system operates with automated PLC control to ensure continuous, stable performance. It is an ideal solution for industries requiring stringent dew point standards, such as pharmaceuticals, electronics, and food processing.

## Technical Specifications

### Regeneration Mode

Heatless Regeneration

### Dew Point Range

-40°C to -70°C

### Tower Configuration

Two-tower alternating system

## Key Features

### Key Operational Benefits

- Stable operation
- Low investment cost
- Easy maintenance
- Unattended operation capability

### Control System

PLC Automated Control

## Applications

### Typical Industries

Pharmaceuticals, Electronics, Food Processing