

# Desiccant Air Dryer

These dryers use adsorption to separate water, achieving a maximum dew point of  $-70^{\circ}\text{C}$  through a chemical process. They are designed for efficient moisture removal in compressed air systems.



## Product Overview

### Compressed Air Treatment

Compressed air systems often contain humidity, dust, and oil vapors drawn from the environment, which can compromise pneumatic equipment efficiency. This desiccant air dryer system is designed to drastically reduce relative humidity levels to ensure high-quality, dry air. By utilizing advanced adsorption chemical processes, these units can achieve dew points as low as  $-70^{\circ}\text{C}$ , providing superior protection for sensitive industrial applications.

## Technical Specifications

### Maximum Dew Point

**$-70^{\circ}\text{C}$**

Max Dew Point

### Treatment Methods

- Centrifugal separation
- Refrigeration drying ( $+3^{\circ}\text{C}$  dew point)
- Adsorption drying ( $-70^{\circ}\text{C}$  dew point)

### Operating Principles

Method	Mechanism
Centrifugal Separators	Centrifugal and gravitational force
Refrigeration Dryers	Temperature reduction to $+3^{\circ}\text{C}$
Adsorption Dryers	Chemical process to $-70^{\circ}\text{C}$

## Application & Compatibility

### Typical Applications

Pneumatic Tools, Spray Painting, Sensitive Manufacturing