

# Aircel

Purification for Every Application



## Desiccant Air Dryers Overview

## ABP SERIES

### BLOWER PURGE



Heated blower purge, activated alumina desiccant dryer with Energy Management System (EMS) and 2% purge rate

The high-efficiency blower bringing in ambient air for the regeneration cycle, Aircel

Programmable Controller, heatless back-up mode, Parallel Cooling Mode, and standard Energy Management System work seamlessly to create maximum energy savings to the bottom line

7" Allen Bradley PLC Control System to monitor, access, and easily integrate into your plants overall control system

**-40°F Dew Point**

**800 to 10,000 scfm**

**Max Design Pressure: 150 psig**

## AZP SERIES

### ZERO PURGE



Highly efficient, heated, zero purge loss desiccant dryer with near zero dew point spike

A recirculated cooling system moves air more efficiently, eliminating the need for dry, compressed air to be used to cool the dryer

Mounted pre-filter and after filter included

**-40°F Dew Point**

**800 to 10,000 scfm**

**Max Design Pressure: 150 psig**

## AEHD SERIES

### EXTERNALLY HEATED



Externally heated desiccant dryer with mid-bed energy management based on relative humidity and a purge flow rate of 8% (6% with venturi option)

High temperature paint, heater vessel, and hot purge piping with insulation and aluminum jacket protects personnel and prevents heat loss

High efficiency, mounted pre-filter with zero loss drain and differential pressure gauges and after filter

**-40°F Dew Point**

**150 to 3,000 scfm**

**Max Design Pressure: 150 psig**

## CDP SERIES

### CRITICAL DEW POINT



Provides a low dew point (-100°F) in a heatless, regenerative desiccant dryer

Designed to ensure -100°F dew point for critical applications

Great for critical dew point industries such as semi-conductors, cryogenics, and medical devices

Mounted pre-filter and after filter included with each dryer

**-100°F Dew Point**

**70 to 1,250 scfm**

**Max design pressure: 200 psig (models 70 to 600);  
150 psig (models 750 to 1,250)**

## BHD SERIES

### BREATHING AIR SYSTEM



Utilizes a seven step process to produce Grade D quality breathing air

Process removes a variety of contaminants, including dust, dirt, water, oil, hydrocarbon vapor, and dangerous levels of carbon monoxide

High quality carbon monoxide monitor is standard

Includes high quality coalescing pre-filter, activated carbon filter, and a particulate after filter standard with all models

**-40°F Dew Point**

**50 to 1,000 scfm**

**Max design pressure: 200 psig (models 50 to 750);  
150 psig (model 1,000)**

## AHLD SERIES

### REGENERATIVE DRYER



Reliable, heatless dryer designed for energy efficiency.

Includes purge saving Energy Management System (EMS) standard

NEMA 4 electrical system

Mounted prefilter with zero-loss drain and afterfilter included standard with each model

**-40°F Dew Point**

**70 to 8,000 scfm**

**Max design pressure: 200 psig (models 70 to 750)  
and 150 psig (models 1,000 to 1,500)**

**Minimum operating pressure: 60 psig for all models**

## AMD SERIES

### MODULAR, POINT OF USE



Multiple installation options including horizontal, vertical, and wall mounting as well as quick access desiccant,

remote access, and energy management system make the AMD Series a versatile and easy to use system.

Equipped for use all over the world, thanks to the wide range of acceptable voltages - between 100 and 240 VAC and 12 to 24 VDC.

**-40°F or -100°F Dew Point**

**4 - 175 scfm**

**Operating Pressure: 58 to 232**

## AHCR SERIES

### HEAVY DUTY, ANTI-CORROSION



Rugged desiccant dryer with forged carbon steel pipe fittings, and NEMA 4X stainless steel electrical enclosure

Stainless steel control air tubing

No yellow metals and marine-grade paint applied with Aircel® Premium Paint Process

Mounted pre and after filters included with each model

**-40°F Dew Point**

**70 to 2,000 scfm**

**Max Design Pressure: 200 psig (models 70 to 750) and 150 psig (models 1,000 to 2,000)**

## RENTAL SERIES

### OUTDOOR, RENTAL MARKET



Designed and manufactured for rental dryer applications

Rugged base frame with fork lift slots and lifting lugs accessible from all sides, stainless steel NEMA 4X electrical enclosure and stainless steel control air lines standard

Mounted pre-filter and after filter included

**-40°F Dew Point**

**500 to 1,800 scfm**

**Max Design Pressure: 200 psig**

**Available with Aftercooler**



## AF SERIES High Quality Aluminum Filter

Reduced pressure loss, increased efficiency levels, and lower energy costs thanks to borosilicate glass microfiber media, which repels oil and water for improved coalescing performance

Simple and secure installation due to unique push-fit design and double O-ring seal

Deep bed filter media provides low differential pressure resulting in improved energy efficiency and long element life

Manufactured to  
ISO 125000  
and ISO 8573  
specifications

20 to 1,500 scfm

Available in 5, 1, 0.01,  
and  
Activated Carbon



## AFHT SERIES High Temperature Dust Filter

Suitable up to 450°F

Heavy-duty aluminum construction and polyester powder coated for optimum corrosion protection suitable for use in high temperature applications

Innovative push-fit element design with dual O-ring seals to ensure optimum sealing and mechanical strength

Custom engineered filter media designed to handle high temperatures

Manufactured to  
ISO 12500

15 to 1,600 scfm

Available in 1 Micron



## AFHP SERIES Aluminum High Pressure Filter

2580 scfm at 300 psig, or 1882 scfm at 750 psig filters  
available from 1/4" to 3"

Die cast aluminum housings featuring a push-fit filter element design with double O-ring seals for extra security against contamination by-pass

E-coating on inside and outside of product for industry leading corrosion resistance

Tested in  
accordance with  
ISO 8573-1:2010

35 to 1,882 scfm

Available in 5, 1, 0.01,  
and Activated  
Carbon Micron