

# Aircel

Purification for Every Application



## Refrigeration Overview

## VF SERIES

### AIRCEL PATENTED VARIABLE FLOW



The Aircel VF Series offers high efficiency air drying at varying flow conditions in a lightweight, compact design

Utilizes a three-step process to thoroughly remove condensed moisture from the chilled compressed air

98% separation efficiency

NEMA 1 standard

Aircel patented Variable Flow heat exchanger available within series

Scroll and reciprocating compressors throughout series

10 - 2,000 scfm

Max Pressure: 200 psig

## AHP SERIES

### PET MARKET, HIGH PRESSURE



Designed for use in PET manufacturing and other high pressure applications such as injection molding, component testing, naval and military functions, and more

High efficiency dryer in high pressure conditions, up to 725 psig

Stainless steel brazed plate heat exchanger with 316 stainless steel air-side components

External, centrifugal separator

NEMA 1 standard

10 - 20,000 scfm

Max Pressure: 725 psig

## DHT SERIES

### HIGH TEMPERATURE



Designed for use with smaller, reciprocating, air-cooled compressors that typically do not incorporate an aftercooler

Maintains consistent pressure in varying flow conditions

Accepts compressed air up to 205°F

Maximum inlet pressure of 200 psig

NEMA 1 standard

Fully automatic operation

20 - 125 scfm

Max Pressure: 200 psig

## AXP SERIES

### CUSTOM, HIGH PRESSURE



Aircel exclusive product created to fix custom, high pressure applications

Can be used as a pretreatment for high pressure breathing systems, pressure testing, heat exchanger pressure testing and more

Corrosion-resistant tube in tube stainless steel heat exchanger with stainless steel air-side components

NEMA 1 standard

Reliable, consistent dew point in all flow conditions

45 - 1,000 scfm

Max Pressure: 6,000 psig

## RDE SERIES

### HIGHLY CUSTOM INFINITE CAPACITY CONTROL



The highly customized Aircel RDE series contains innovative controls to allow unloading of compressor to instantly and exactly match demands on system

Provides energy savings with capacity control from 25-100% ensures consistent dew points at all times

Shell in tube heat exchanger provides low pressure drop and excellent lifetime performance

Rotary screw compressor provides energy efficiency and refrigeration capabilities

NEMA 4 standard

5,000 - 20,000 scfm

Max Pressure: 125 psig

## RTM SERIES

### THERMAL MASS CYCLING DRYER



The RTM utilizes high efficiency compressors with defined loading and unloading capabilities and a thermal mass medium for energy storage

Shell in tube heat exchanger ensures low pressure drop within system

When demand is low, thermal mass ensures energy usage stays as low as possible

RTM series dryers are equipped to handle consistent, 24/7 demands

NEMA 4 standard

1,728 - 4,608 scfm

Max Pressure: 125 psig

## OPTIONS

### OFFSHORE PROTECTION



Complete offshore protection, including vibration isolators, electro-coating, and NEMA 4 electrical

Tested to exceed 3 hours of salt spray testing per ASTM B1117

Temperature resistant up to 400°F

### WATER COOLED CONDENSER



Option to replace air cooled condenser to a water cooled condenser

Allows dryer to operate at a higher ambient temperature, without swings associated with ambient air intake

Available in copper in and cupronickel, providing higher anti-corrosion properties than stainless steel

### NEMA SAFETY RATINGS



NEMA 4 - protects against falling dirt, dust

NEMA 4x - protects against dust, water, corrosion, and ice

NEMA 7 - for use in hazardous locations

NEMA 12 - protects internals from dirt, dust, lint, fibers, and water

### CONDENSER CLEANER ASSEMBLY



Simplifies cleaning the condenser, by converting the outlet air to provide clean, dry air used to blow off dirt and grime found within the condenser

Condenser recommended to be cleaned when dirty, or every six months



### AF SERIES

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 Micron



### AFS SERIES

725, 1450, 5000 psig pressure ratings available

High grade 316L stainless steel designed to meet specialist high pressure and corrosion sensitive applications

Unique filter element in AFS 60, 120, and 200 allows for installation in the most confined places

Elements for 1450 and 5000 psig incorporate corrosion-resistant stainless steel end cap

Tested in accordance with ISO 8573-1:2010

60 to 2,000 scfm

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



### AFHP SERIES

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 bypass

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

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

Tested in accordance with ISO 8573-1:2010

35 to 1,882 scfm

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