

CAMAIR®
DAD-PRO™

DESICCANT AIR DRYING SYSTEM

The CAMAIR DAD-PRO Desiccant Air Drying System provides worry free air filtration for top-quality paint jobs. Air enters the 2-stage filtration package where it is purged of water, oil and oil aerosols. Once cleaned, the air enters the desiccant tank to further remove any remaining water vapor.

First stage filter removes oil, water and dirt down to 5 microns.

Second stage coalescer removes oil vapors and dirt particles down to .01 microns.

Desiccant tank removes water vapor and humidity down to a dew point of -40° F.

Bagged desiccant for ease of maintenance



Specifications

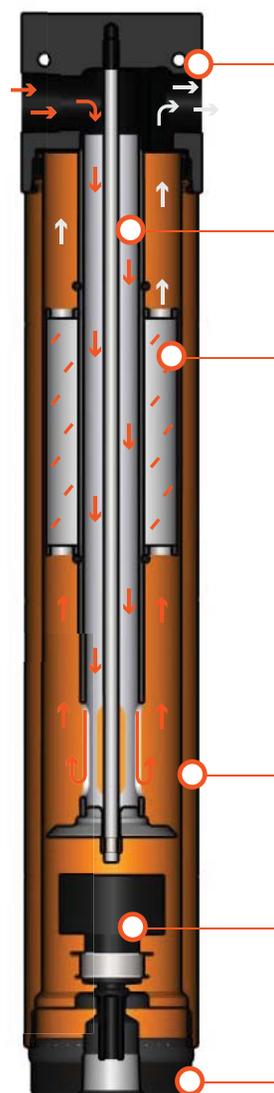
Air Inlet	1/2" NPT (Female)
Air Outlet	1/4" NPT (Male)
Air Flow Capacity	30 CFM
Maximum Operating Pressure	175 PSI (12 Bar)
Maximum Temperature	150° F (65.6° C)

Model/Order# Description

130546	CAMAIR DAD-PRO Desiccant Air Drying System
130504	Replacement Desiccant Cartridge
130539	Replacement Oil Coalescer Element



50 SCFM Water Separator



Filter Heads

Machined from aircraft aluminum and anodized for corrosion resistance.

Inner Barrel

Oversized length of inner barrel functions as the filter "drip leg" while maintaining high air velocity.

Stainless Steel Mesh

The maintenance free, noncorroding stainless steel material resists corrosion, preventing breakdown of weave.

The spiral design uses centrifugal force to flush any remaining liquids to the outer tube for draining.

Coalescing Element

100% borosilicate glass microfibers are bonded together with a resin binder. The element resists water and all hydrocarbon and synthetic lubricants.

Outer Tube

The outer tube is machined from aircraft aluminum and Mil-spec anodized inside and out for maximum corrosion resistance.

Float Drain

Easy to install and low maintenance.

Bottom Cap

Elevated drain allows for high accumulation of sediment, extending life of float drain.

Maximum Flow: 50 scfm
Maximum Pressure: 175 psi
Maximum Temperature: 150° F
Port Size: 1/2" NPT

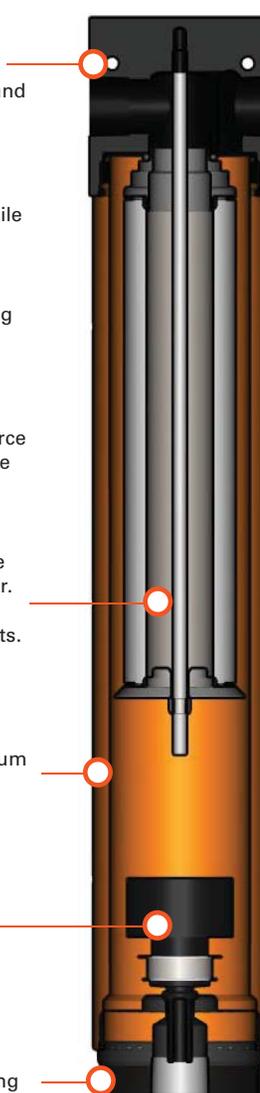
HOW THE WATER SEPARATOR WORKS

The water separator accomplishes its purpose by channeling wet incoming air through a small-diameter inner tube. Bulk liquid is removed as the wet air is reversed 180° off the bottom baffle plate.

As flow is redirected, air enters the large-diameter outer tube where air velocity is slowed causing gravity to further remove bulk liquids.

The air then travels upward through the stainless steel mesh where any remaining liquids are removed.

50 SCFM Oil Coalescing Filter



Maximum Flow: 50 scfm
Maximum Pressure: 175 psi
Maximum Temperature: 150° F
Port Size: 1/2" NPT

Replace element every six months

Liquid is dropped to the bottom of the filter housing and removed through the float drain.

HOW THE OIL COALESCING FILTER WORKS

Incoming air is directed through the inside of the coalescing element where oil, oil aerosols and fine particulates are captured. As the captured aerosol coalesces, bulk liquid is formed and forced to the outer surface of the filter media. The bulk liquid is then dropped through the bottom of the filter element and removed by the float drain.

Model/Order#	Description
130536	2-Stage Filter Assembly With Regulator

