

Altec | AIR

REFRIGERATED AIR DRYERS

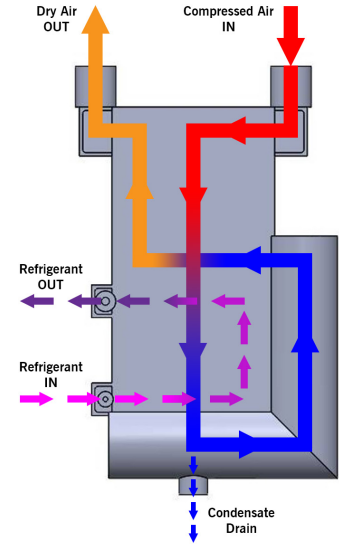


AltecAIR.com
800.521.5351

How Altec AIR Refrigerated Air Dryers Work

Altec AIR Refrigerated Air Dryers use refrigeration cooling to condense moisture and remove it from a compressed air system.

- Warm saturated air enters a pre-cooler/re-heater heat exchanger at the dryer inlet and is pre-cooled by outgoing cold air.
- The pre-cooled air then enters the air to refrigerant heat exchanger and is cooled to its lowest point.
- As the air is cooled, the moisture it contains changes from a vapor to a liquid and is removed by a stainless-steel mesh separator and discharged from the dryer through an automatic drain valve.
- The cold air is then re-heated by incoming warm air as it passes back through the pre-cooler/re-heater.
- The resulting warm air that exits the dryer is clean, dry and ready for use by a compressed air system.



Product Features

Consistent & Reliable Dry Air

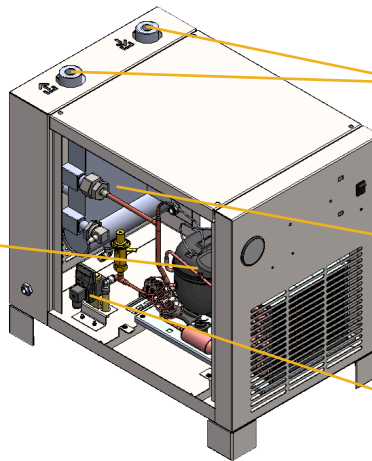
ISO Class Dew Points @ 100°F / 38°C Saturated Inlet - Model Specific Ratings

Industrial-Grade Refrigeration System

Built to last compressors from industry leading North American manufacturers

Environmentally Friendly Refrigerants

All Refrigerated Air Dryer models use only R134a & R404a refrigerants



Top Inlet & Outlet Connections

Provides simple, easy access for installing dryers and accessories

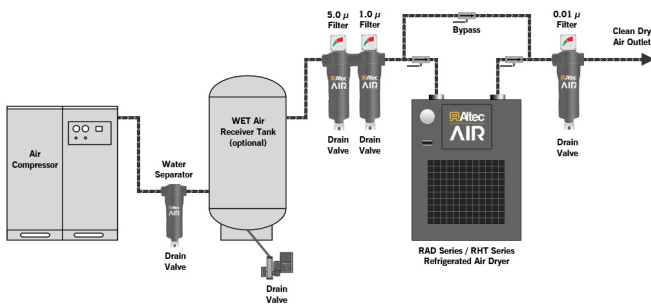
Compact, Aluminum Heat Exchanger

Integrated Pre-cooler/Re-Heater, Air to Refrigerant Heat, Low Pressure Drops

Programmable Electronic Drains

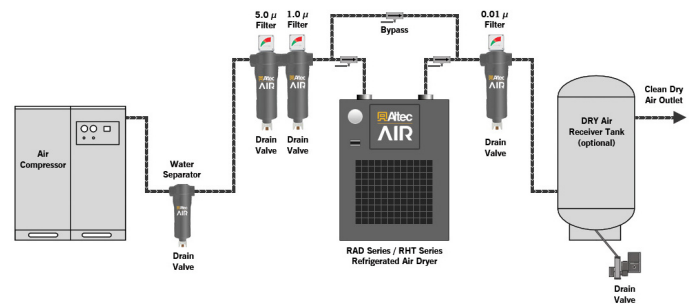
Reliable, pre-set timer drains installed on every unit

Recommended Installations



WET AIR Receiver Tank Setup

Recommended for systems that consume less than or equal to the maximum capacity of the air compressor.



DRY AIR Receiver Tank Setup

Recommended for systems where the peak air consumption exceeds the flow rate of the air compressor.



RAD Series Non-Cycling Refrigerated Air Dryers

- Flow rates from 25 to 300 SCFM
- Consistent & Reliable Dry Air - ISO Class 4 - 5
- Compact All-Aluminum Heat Exchanger Modules with Low Pressure Drops
- Programmable Automatic Electronic Drains
- Suction & Discharge Pressure Gauges Provide Monitoring of the Refrigeration System



RHT Series High Inlet Temperature Refrigerated Air Dryers

- Flow rates from 10 to 120 SCFM
- Does not require Separate After Coolers, Separators or Drains
- High Inlet Temperature - Up to 200°F
- Consistent & Reliable Dry Air - ISO Class 6
- Top Mounted Inlet & Outlet Ports for Easy Installation of Dryer, Filters, & Bypass Valves



UA Series Non-Cycling Refrigerated Air Dryers

- Flow rates from 400 to 2000 SCFM
- Consistent & Reliable Dry Air - ISO Class 4 - 5
- Programmable Automatic Electronic Drains
- Suction & Discharge Pressure Gauges Provide Monitoring of the Refrigeration System
- Compact All-Aluminum Heat Exchanger Modules with Low Pressure Drops



DX Series Energy Saving Refrigerated Air Dryers

- Flow rates from 400 to 2000 SCFM
- Digital Scroll Energy-Saving Refrigeration Compressor
- Consistent & Reliable Dry Air - ISO Class 4 - 5
- Easy-Access Cabinet Design for Ease of Maintenance & Serviceability
- Compact All-Aluminum Heat Exchanger Modules with Low Pressure Drops

Filters & Accessories

Altec AIR provides an extensive range of Compressed Air Filters & Accessories to complement our Refrigerated Air Dryers, providing single-source convenience and increased value for our Customer Partners.

- Compressed Air Pre-Filters (5μ and 1μ) & After Filters (0.01μ)
- Complete Filter Kits - Matched to Air Dryer Flow & Performance
- Filter Bypass Kits for Refrigerated Dryers
- Floor Stands
- And more...

Protecting Compressed Air Systems

Eliminating water from a compressed air system is vital to protecting equipment and improving productivity. If compressed air is left untreated, moisture can enter the system and cause premature tool failure, product spoilage, failed instrumentation, damage to actuators and cylinders, and more. Clean, Dry Air is a necessity if you want to protect valuable equipment and keep operations running smoothly.

The Altec AIR Story

Since 1954, Altec AIR (formerly Puregas, LLC) has been an industry leading manufacturer of Compressed Air Treatment equipment for a variety of markets & applications.

In 2003, Altec AIR joined the Altec Family, allowing Altec AIR to reach a new level of manufacturing efficiency and product innovation. Altec is a leading provider of products and services to the electric utility, telecommunications, tree care, lights and signs, and contractor markets. They have a proven record of manufacturing excellence, delivering products and services to more than 100 countries worldwide.

Altec AIR proudly manufactures our quality products in America and offers superior technical support as well as a variety of services.

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For more complete information on Altec AIR products and services, visit us on the web at www.AltecAIR.com.

Material and specifications are subject to change without notice. Featured units in photos may include optional features. Please contact an Altec AIR representative for all available options.

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