

# Refrigerated Air Dryers

Easy to install and operate, just like our air compressors. Available from 15-300 CFM.

## Features

- Solid aluminum heat exchanger
- Low pressure drop
- R513a refrigerant
- NPT Connections
- Self cleaning design
- Timed electric auto drain
- Oversized components
- Non-cycling class 5
- Lighted controls simplify servicing and monitoring
- User-friendly control panel for monitoring dew point, operating modes, drain management, and alarm management
- Energy saving operation reduces operating cost
- UL/CSA certified



**Industrial Gold**

**Quality Air Compressors at a Great Price.**

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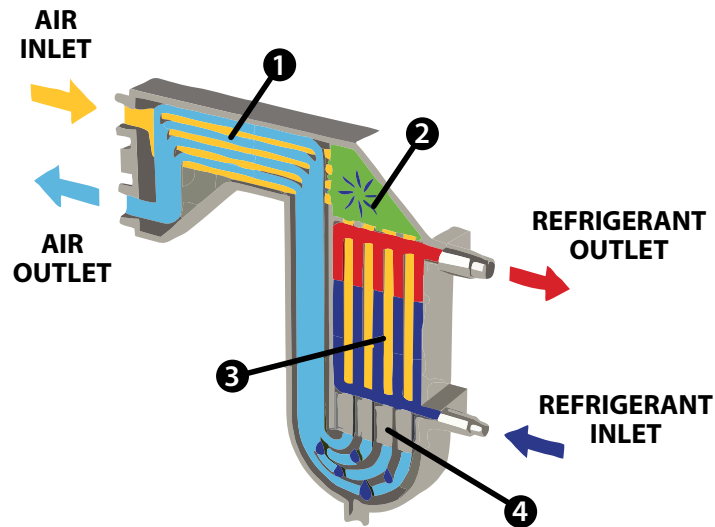
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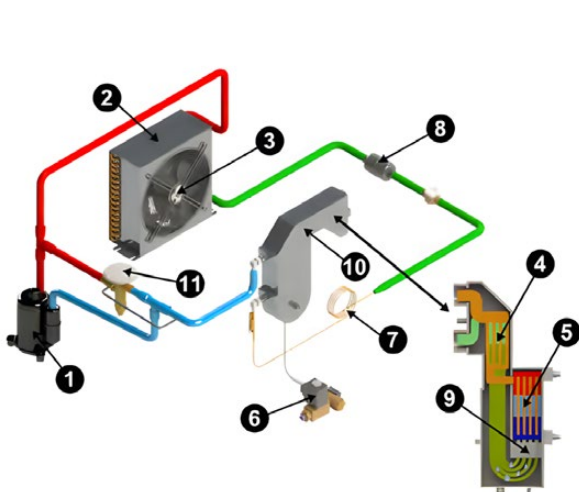
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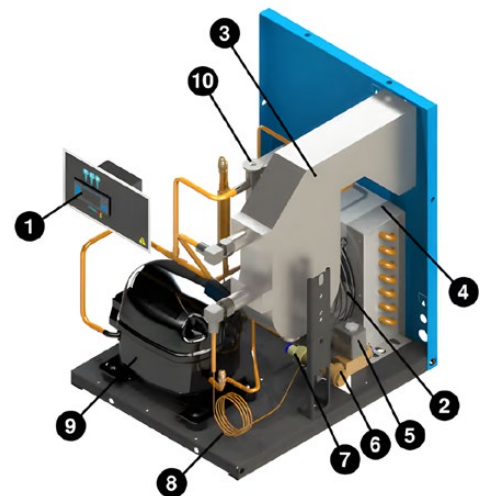


1. Saturated, warm compressed air is pre-cooled in the air-to-air heat exchanger
2. A built-in mixing chamber at the exchanger outlet blends uneven air temperatures into a uniform airflow before entering the evaporator, for consistent and efficient operation
3. The compressed air is cooled in the air-to-refrigerant heat exchanger to the required pressure dew point
4. The air cooled in the evaporator passes through a demister separator which allows the condensate to drain into a large collecting chamber. The design of both module and demister allows pressure drop values to be kept low.



## Circuit

1. Compressor
2. Condenser
3. Fan motor
4. Air-to-air heat exchanger
5. Evaporator
6. Condensate discharge valve
7. Capillary tube
8. Dryer filter
9. Demister
10. Ultra compact heat exchanger
11. By-pass valve



## Open Dryer

1. Controller
2. Fan motor
3. Heat exchanger
4. Condenser
5. Discharge valve
6. Valve strainer
7. Solenoid valve
8. Capillary tube
9. Compressor
10. Hot gas by-pass valve

# Refrigerated Air Dryers



Model	CFM	Refrigerant	Voltage	Inlet/Outlet Connections	WxLxH	Weight
RD15	15	R513A	115/1/60	¾"	12 x 14.7 x 17.3	40
RD20	20	R513A	115/1/60	¾"	12 x 14.7 x 17.3	40
RD35	35	R513A	115/1/60	¾"	12 x 14.7 x 17.3	42
RD50	50	R513A	115/1/60	¾"	13.6 x 16.1 x 18.9	53
RD75	75	R513A	115/1/60	1"	15.7 x 18.2 x 21.3	60
RD100	100	R513A	115/1/60	1"	15.7 x 18.2 x 21.3	66
RD125	125	R513A	115/1/60	1"	15.7 x 18.2 x 21.3	88
RD150	150	R513A	115/1/60	1"	15.7 x 18.2 x 21.3	90
RD175	175	R513A	115/1/60	1 ½"	21.2 x 21.2 x 26.9	121
RD220	220	R513A	230/1/60	1 ½"	20.7 x 24.7 x 44.2	159
RD300	300	R513A	230/1/60	1 ½"	20.7 x 24.7 x 44.2	172

## Correction Factor For Operating Pressure Changes

Inlet Air Pressure (PSIG)	60	80	100	120	140	160	180	200	232
Factor	0.79	0.91	1.00	1.07	1.13	1.18	1.23	1.27	1.33

## Correction Factor For Ambient Temperature Changes

Ambient Temperature (°F)	80	90	100	110	115
Factor	1.10	1.07	1.00	0.83	0.70

## Correction Factor For Inlet Air Temperature Changes

Ambient Temperature (°F)	90	100	110	120	130
Factor	1.11	1.00	0.80	0.65	0.53

## Correction Factor For Dew Point Changes

Dew Point (°F)	37	41	44	50
Factor	0.91	1.00	1.10	1.26