

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



Compressed Air Systems

Simplicity. It's What We Do.

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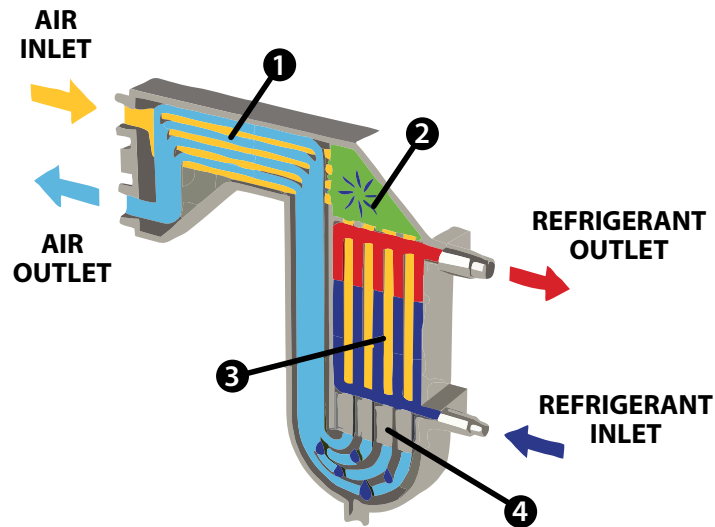
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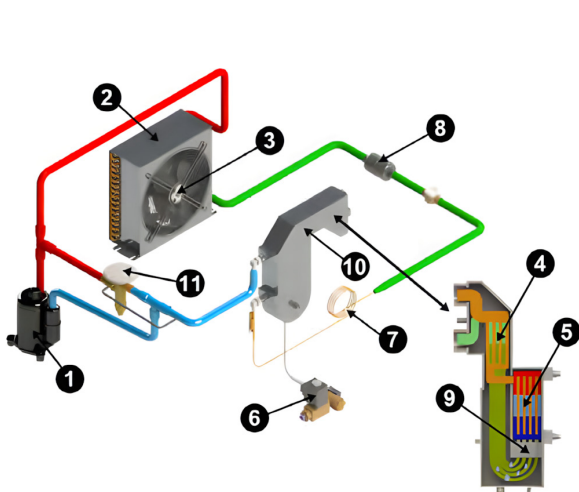
Scan to find installation guides,
repair guides, manuals, and more.



Refrigerated Air Dryers

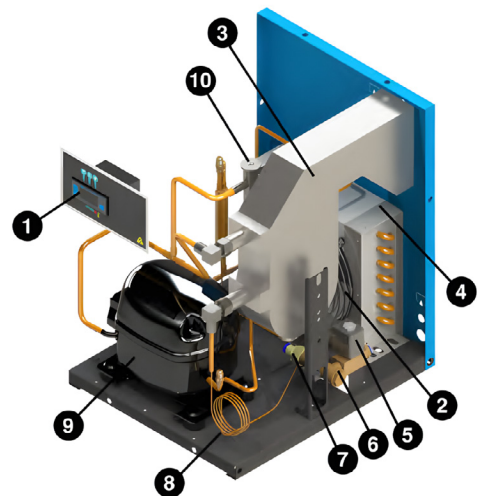


1. Saturated, warm compressed air is pre-cooled in the air-to-air heat exchanger
2. A built-in mixing chamber at the exchanger outlet blends uneven air temperatures into a uniform airflow before entering the evaporator, for consistent and efficient operation
3. The compressed air is cooled in the air-to-refrigerant 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