

RDA Series Dryers

Refrigerated Variable Speed Drive 675-4300 CFM



Pneutech[®]
Efficiency Under Pressure



5 Year Warranty
Industry-Leading Peace-of-Mind

Features & Benefits

RDA Series 675-4300 CFM VSD Variable Speed Drive Dryers

Vertical Heat Exchanger Design

The ALU-DRY aluminum heat exchanger module has a vertical flow layout, ensuring the wet compressed air flows down and moisture is pulled by gravity to the automatic drain. The design of this heat exchanger can handle much higher temperatures than most competitive designs.

Condenser Fan | Coils

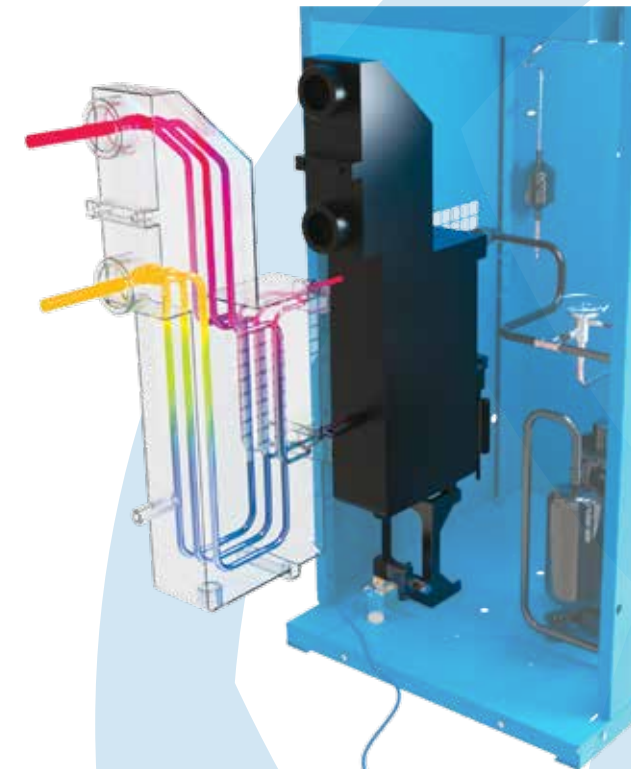
Generous sizing of the condenser unit ensures maximum performance of the refrigerant circuit and the ability to operate with changes in ambient conditions quickly. Access to the condenser for cleaning and maintenance is simple.

Refrigeration Compressor

The circulation of the refrigerant in the cooling system is done through the highly efficient refrigerant compressor. Thanks to its innovative construction, this has reduced energy consumption and increased reliability levels.

Zero Air Loss Drain

RDA-VSD dryers are equipped with a zero loss drain valve which is operated by the programmable controller. This drain is designed for economical removal of unwanted water, oil emulsions, and other liquids. These drains will only open when liquid is present and will not allow any compressed air to escape from the system.



Serviceability

With an average Phillips screwdriver, the panel protecting the major components of the refrigerated dryer slides off, meaning that servicing is not complex and less costly.



Refrigeration Compressor

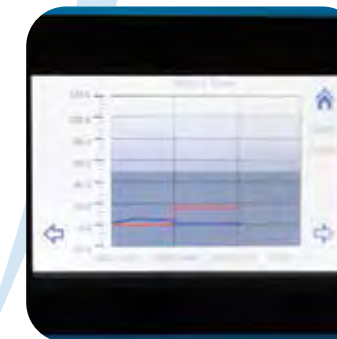
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Electronic Control

All models have an electronic control board, with a double sensor system that keeps the dew point and condensing pressure within ideal operating parameters.



Condenser Fan | Coils

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Access to the condenser for cleaning and maintenance is simple.



Single Point Condensate Drain

All RDA models come with a single point condensate connection.

This single connection makes it easy when connecting it to your condensate management system.



Condensate Drain Controls

RDA dryers are equipped with a zero air loss drain valve which is controlled by the programmable controller.



Features & Benefits

RDA Series 675-4300 CFM VSD Variable Speed Drive Dryers

Variable Speed Drive Refrigeration Compressor

The VSD feature on this dryer allows the refrigeration compressor to speed up and slow down to meet periods of both high and low demands, without using any excess energy.

Consistent Dewpoint

The dryer operates off of a set target dewpoint rather than cycling between a range of refrigerant pressures. This produces a consistent dewpoint which means consistent production results

Soft Motor Starts

As opposed to full voltage motor starts on most fixed speed dryers, the VFD drive initiates slow motor starts which significantly lowers the electrical demand. Up to 75% turndown allows for a wide range of efficiency

Reduced Power Consumption

Unlike a standard dryer, KW consumption stays on par with your compressed air dewpoint demand, resulting in significant energy savings.

Variable Speed Drive Fan

The condenser fan on the dryer is also controlled with a variable speed drive. This allows for the condenser fan to speed up and slow down as refrigerant pressure changes, thus saving on energy costs.



Electronic Controller

The electronic controller continuously monitors the pressure and operating temperature, calculates the heat load and adjusts the rotation speed of the compressor and fans.



Touch Screen

Large touch screen display shows current operating parameters, hour meter, scheduled maintenance, alarm memory, and energy savings.

RS485 Interface

Remote monitoring of the dryer is made possible because of the RS485 interface that comes standard with all VSD dryers.

Models & Specifications

Model	CFM	Refrigerant	NPT/Flange	Voltage	Dimensions (in) (LxWxH)	Weight (lbs)
RDA-675VSD-436	675	R407C	2.5" NPTF	460/3/60	27x28x61	365
RDA-925VSD-436	925	R407C	3" NPTF	460/3/60	26x46x67	575
RDA-1225VSD-436	1225	R407C	3" NPTF	460/3/60	26x46x67	620
RDA-1850VSD-436	1850	R407C	5" flange	460/3/60	26x46x67	905
RDA-2450VSD-436	2450	R407C	5" flange	460/3/60	46x55x70	950
RDA-3050VSD-436	3050	R407C	6" flange	460/3/60	46x55x70	1015
RDA-3700VSD-436	3700	R407C	6" flange	460/3/60	88x55x70	1885
RDA-4300VSD-436	4300	R407C	8" flange	460/3/60	88x55x70	1970

Correcting factor for operating changes

Inlet air pressure (PSI)	100	120	140	160	180	203	220	232
Factor	1.00	1.07	1.13	1.18	1.23	1.27	1.30	1.33

Correcting factor for ambient temperature changes

Ambient Temperature (°F)	95	100	105	110	113
Factor	1.04	1.00	0.93	0.83	.70

Correcting factor for inlet air temperature changes

Air temperature (°F)	≤90	100	110	120	131
Factor	1.11	1.00	0.80	0.65	0.53

Correcting factor for operating changes

Dew Point (°F)	38	41	45	50
Factor	0.92	1.00	1.07	1.25

5 Year Pneu-Assure Warranty

Industry-Leading Peace-of-Mind

✓ **5 Year Warranty on Major Components**

- Refrigeration Compressor
- Condenser Coil
- Heat Exchanger

✓ **1 Year Warranty on the Entire Unit**

Regular maintenance NOT included

✓ **Guaranteed Support**

From Your Certified Distributor

✓ **Technical Expertise**

Industry-leading knowledge & experience

*Requires the purchase of a PneuTech line filter with installation directly before the inlet of the dryer. Warranty subject to change based on region and distributor's agreement.

Why PneuTech?

You are the **#1** priority when you partner with PneuTech.

Your goals are our goals - because your success is our success.

Your experience is superior when partnering with PneuTech because of quality products and personal service.

You want *efficiency, reliability and versatility* when sourcing compressed air equipment - that's what we strive for.

Other PneuTech Products



RK Fixed Speed Rotary Screw
5HP-50HP



RK Variable Speed Rotary Screw
5HP-75HP



RSP Fixed Speed Rotary Screw
75HP-450HP



RSP Variable Speed Rotary Screw
75HP-450HP



FHO Inline Filtration



RDA Refrigerated Air Dryers



CSO Oil Water Separators



NGO Nitrogen Generators



Our Mission Statement

Using our combined industry experience, we provide knowledge, support, and superior products to compressed air distributors across the globe.

We are committed to producing positive results through being trustworthy, ethical, and accessible.

We are founded in the beliefs that through working together we can continue to transform the industry, while rising to turn challenges into opportunities.



United States | United Kingdom | New Zealand

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