



RISEN
THERMOHYGRO SERVICES PTE LTD

DESICCANT DEHUMIDIFIER RDD – R530L

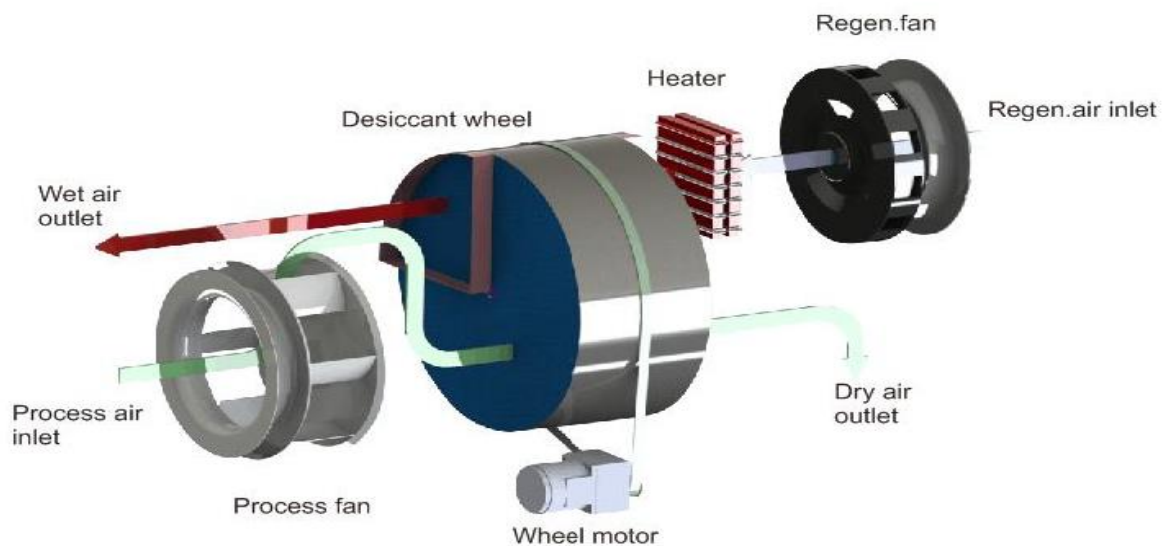
Model: RDD-R530L

Dehumidifying Capacity: 2.7Kg/H



Working Principle of Desiccant Dehumidifier

WORKING PRINCIPLE



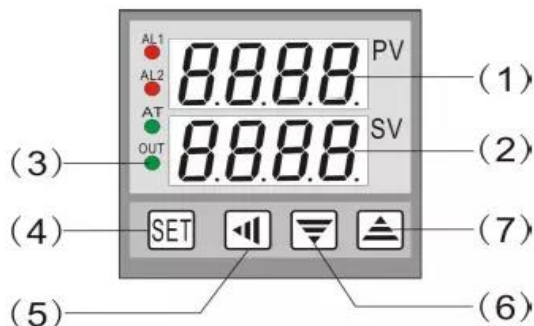
This series is normally with low regeneration temperature. It is suitable for environment with surplus of heat. And it is usually apply in application that require to achieve low dew point.



KEY FEATURES:

- ❖ High Performance Desiccant Rotor with high moisture adsorption rate for reliable performance and continuous trouble-free operation. Lifespan of the Rotor wheel is 5 – 8years under normal operating condition (non-corrosive environment and regeneration temperature of below 140°C
- ❖ Comes with advance touch control panel with built-in Honeywell Temperature and Humidity Sensor for real time monitoring which is easy to operate and user friendly.
- ❖ Our Desiccant Dehumidifier is built-in with dual speed adjustable centrifugal fan which can be set to run in High and Low speed for the process air fan. This unit also comes with a separate fan for Regeneration Air.
- ❖ Simple and elegant design with unique frame for better sealing and insulation structure to reduce heat loss.
- ❖ Body material build with SPCC metal and Powder coated paint for better resistant over corrosion.
- ❖ Built with reliable electrical component from well known reliable brand like ABB, OMRON, Schneider and others.
- ❖ Low operation cost and energy efficient. Our Desiccant Dehumidifier used PTC and SCR build heating technology with advance processor- controlled regeneration heat which can save 20 - 30% of power consumption.
- ❖ Structure built for convenient installation and easy maintenance with replaceable F5 filter and washable rotor. It is also built according fire prevention standard, to ensure safe operation of the machine.
- ❖ Inlet and Outlet air of the machine is conformance to duct connection standard of ISO7807 to simplify air duct connection.
- ❖ Dehumidifier is conformance to TUV, GS, ROHS and CE standards.

Desiccant Adsorption Dehumidifier RDD-R530L Control



(1) Front Panel Overview:

PV Screen:measured value.

Under working status,display current humidity;

Under setting status,display menu code;

SV Screen:set value.

Under working status,display set humidity;

Under setting status,display set value of each parameter displayed in PV screen.

OUT(green): the OUT indicator is on while control output stays on.

SET:Press the key for 3 seconds to enter set mode or press it once to check the SV screen output.

◀:shift key,press it to change the parameters

▼:down key in setting mode,press to decrease the value;press for 3 seconds to enter the setting mode.

▲:up key in setting mode,press to increase the value;press for 3 seconds to enter the setting mode.



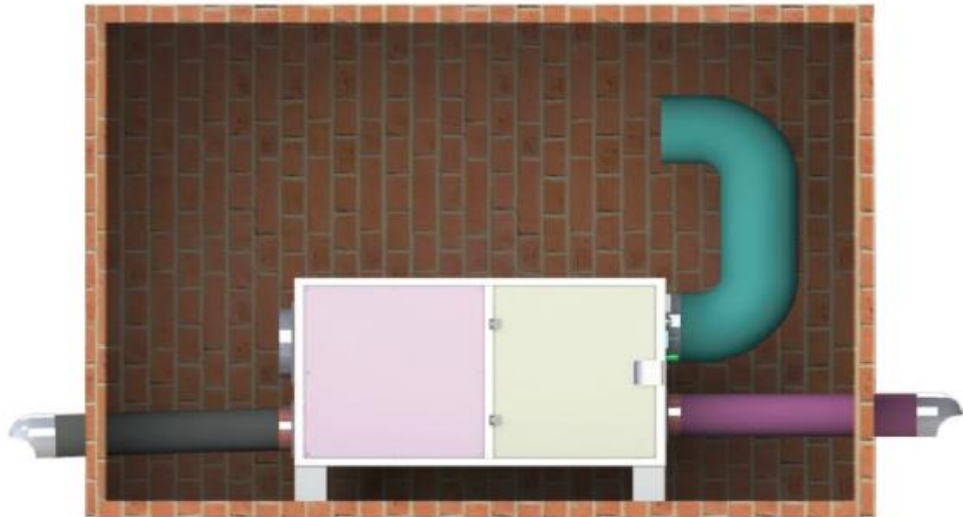
TECHNICAL DETAILS:

S.NO	ITEM	PARAMETER
1	Model	RDD-R530L
2	Dehumidifying Capacity	2.7kg/h @20°C, 60%RH
3	Process air flow	550CMH (150Pa)
4	Reactivation air flow	160CMH (50Pa)
5	Voltage	220V / 50Hz / 1ph
6	Input power	5.3kW
7	Rated Current	21.4A
8	Filter	G4 Efficiency
9	Heater Type	PTC + SCR
9	Controller	LCD or Button type
10	Operating Temperature	-20°C – +60°C
11	Certification	TUV, CE, RoHS, GS
12	Dimension	930mm x 513mm x 622mm
13	Weight	55kg
14	Warranty	1 year

*Technical Specifications and dimensions are subject to change without prior notice



INDOORS INSTALLATION



OUTDOORS INSTALLATION

