



**STAND-ALONE  
DEHUMIDIFIER**



**DRY-O-MENT** *Series*





**LEFT VIEW**

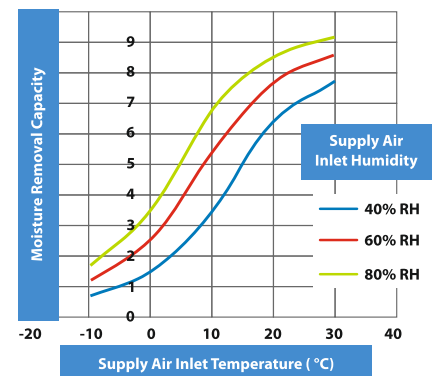
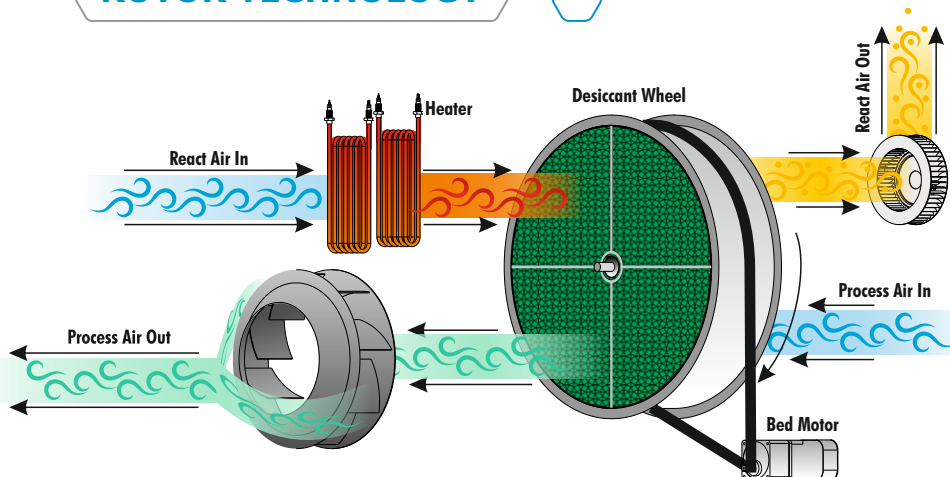
**FRONT VIEW**

**RIGHT VIEW**

## FEATURES

- ▶ Available in size form 600 CMH to 10,000 CMH.
- ▶ Standard products include fully functional units with necessary safeties and electric relay based controls or optional PLC based Controller.
- ▶ Desiccant rotor technology removes water directly from the air.
- ▶ Designed for industrial process, including low Dew Point applications.
- ▶ Desiccant cassette can be removed for cleaning, to extend rotor life.
- ▶ Fully factory assembled, reduced installation time with on site and lesser costs.
- ▶ Available with integrated pre and postcooling systems.
- ▶ Fast, simple access to all electrical and mechanical components through hinged doors or removable access panels.
- ▶ Choice of Gas, Steam and Electric Reactivation.
- ▶ Standard features include easy access inlet filters, self-adjusting/tensioning rotor drive components and easy seal adjustment.
- ▶ Robust industrial duty structural frame and panel design.
- ▶ Highly compact design with lowest foot print area.

## ROTOR TECHNOLOGY



## PRODUCT DESCRIPTION



Dehumidifier unit complete with desiccant rotor section fitted with our rotor drive, regeneration module with electric heaters, G4 grade regeneration filter and reactivation fan and motor assembly. The desiccant wheel is constructed from a unique high temperature substrate media corrugated and impregnated with a non-migrating water selective low temperature regenerating desiccant which will have positive sealing between process and reactivation airstream to allow independent airflows.

- ▶ A completely independent unit.
- ▶ Option to start/stop remotely.
- ▶ Suitable for continuous operation.
- ▶ Independent blower and motor for each airflow.
- ▶ Volume control damper for both air flow (Process & Reactivation).
- ▶ Quick and Easy to Service.
- ▶ RS485 Connectivity.
- ▶ Sectors for process and reactivation airflow are insulated.
- ▶ Rotor is non-flammable.



## TECHNICAL DATA - STAND-ALONE DEHUMIDIFIER SERIES (RDS)

MODEL	Process air			Reactivation air			
	Air Flow (CMH)	ESP (PA)	Motor (H.P.)	Air Flow (CMH)	ESP (PA)	Motor (H.P.)	Heater K.W.)
RDS-60	600	300	0.5	200	240	0.5	6
RDS-100	1000	300	1	300	240	1	12
RDS-150	1500	310	1	500	240	1	15
RDS-200	2000	310	1.5	650	240	1	24
RDS-250	2500	310	1.5	830	240	1	27
RDS-300	3000	310	1.5	1000	240	1	30
RDS-420	4200	310	2	1400	240	1.5	42
RDS-500	5000	310	5	1600	240	2	51
RDS-600	6000	310	5	2000	240	2	60
RDS-720	7200	310	5	2400	240	2	75
RDS-800	8000	300	7.5	2700	240	3	90
RDS-900	9000	300	10	3000	240	3	90
RDS-1000	10200	300	10	3400	240	3	105



PLC or Relay based control choice



Highly efficient solid desiccant fluted wheel



G4 grade on both air streams side



Highly compact design & lowest foot print area



Reduced installation time on site and costs



Stainless steel sheet metal casing (optional)







# REHOBOTH

Dehumidifiers

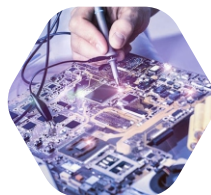


## Some of the Industrial Applications



### FOOD:

- Production & packing of Biscuit, Cookies, Chocolate
- Tea/herbs drying
- Cold Rooms
- Frozen food processing areas
- Loading docks
- Dried fruit/vegetables
- Seed drying & storage



### ELECTRICALS & ELECTRONICS:

- HT Transformer and Capacitor manufacturing
- HV cable wrapping
- Clean spaces for Semiconductor manufacturing
- PCB assembly
- Lithium batteries



### PHARMACEUTICALS:

- Soft gelatin capsule drying
- Manufacturing and packing areas of Effervescent
- Hygroscopic salts/powders
- Vitamins, Tablet coating



### CORROSION PREVENTION :

- Storage of military equipments
- Leather, Precision components
- Power plant lay up
- Water and sewage treatment plants



### PAPER & PRINTING:

- Libraries
- Archives Storage
- Paper pre-conditioning
- Gravure printing
- Currency printing
- Paper fibre molding



### MOULD & FUNGUS PREVENTION:

- Schools
- Theatres
- Restaurants
- Hospitals
- Cargo protection
- Hotels



### AUTOMOTIVE:

- Glass lamination
- Radial tyre creel room
- Engineering plastic components
- Engine test room



### CONDENSATION PREVENTION:

- Injection and blow moulding
- Ice skating rinks
- Surface preparation & coating

and many more...

## SOME OF OUR VALUED CLIENTS



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