

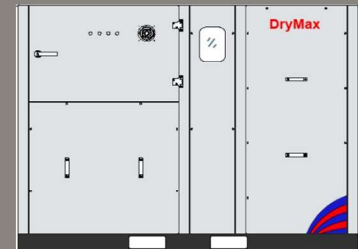
DRYMAX DESICCANT DEHUMIDIFIER



PRODUCT TO BE CANADIAN



Metal casing (R)



Stainless steel (RS)

Thermo-break sandwich PU panel and aluminium casing to help reduce power consumption and condensation (-AL)

Drymax desiccant dehumidifiers (DM-series) are product of Naav Solution Inc., the Canadian incorporation specializing in designing, fabricating and installing various special industrial air control system and products. The products are designed and customerized by its own in-house professional team, and manufactured at various facilities around the world under quality supervision of regional directors to best serve each local regional markets which may required different standards and some extent of customization to suit particular applications but still comply with general quality policy and guideline issued from its headoffice in Canada.



Key benefits

1. High efficiency, durable Drymax desiccant rotor (fire resistance & strength tested under ASTM E84)
2. Three main rotor type: a) DDS (standard), b) DDH (hygienic enhancement), c) DDL (low-dewpoint application)
3. Performance are precisely calculated at outdoor condition at installation site to prevent actual capacity's shortage
4. Unique slip-in rotor section to ensure quick-and-easy assembly for hassle free clean and replacement purpose.
5. Process fans are high efficiency un-house direct-driven overload-free backward-inclined type to meet hygiene & energy requirement.
6. Various control options: a) standard base control, b) HMI (DDC), c) BMS compatible.
7. Choice of reactivation heating source: a) Electric (standard), b) Steam (option) & c) Combinations.
8. RH is controlled precisely due to proportional heating capacity.
9. Three casing options to suit particular application and budget: a) electrostatic coated sheet metal (standard), b) stainless steel & c) thermo-break aluminium panel casing (EN 1886, T3, TB2).
10. Add-on heat recovery to reduce upto 30% power consumption

Let contact your nearest Drymax consultant engineer to assist you in selecting the best system for your requirement !

DRYMAX DESICCANT DEHUMIDIFIER

Series: Airflow rate: 4500 ~ 8100CMH

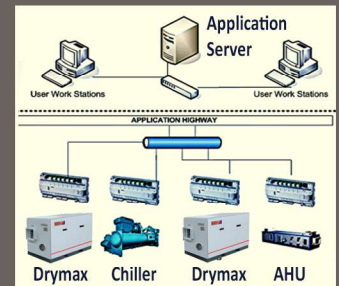
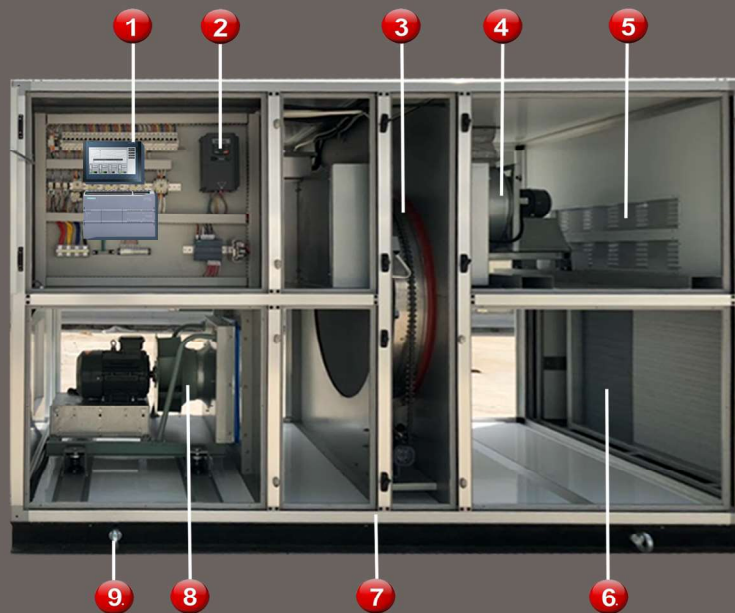
Nomenclature - Suffix options:

Casing: R: electrostatic metal casing, RS: stainless steel casing, R-AL: thermo-break panel casing

Reactivation heating: E: electric, S-Steam, ES: combination of electric & steam



Drymax desiccant rotor: high capacity, stainless steel ring, surface coating



BMS compatible (TCP/Modbus)

1. Central computerized system (Siemens PLC & HMI) (BMS compatible)
2. Inverter to control fan airflow rate steplessly, 3. Drymax Desiccant Rotor (DDR)
4. Reactivation fan, 5. Reactivation filter, 6. Process air filter, 7. Casing, 8. Process fan
9. Hoist hooks.

Main specification

Model	4500	5100	6000	7100	7500	8100
Dehumidification capacity (Kg/h)	30	32	38	49	52	55
Dry airflow (CMH)	4,500	5,100	6,000	7,100	7,500	8,100
Available static pressure (Pa)	300	300	300	300	300	300
Wet airflow (CMH)	1500	1700	2000	2367	2,500	2,700
Available static pressure (Pa)	300	300	300	300	300	300
Reactivation heater power (kW)	31.5	36.8	37.8	44.1	50.4	56.7
Total power consumption (kW)*	37.12	42.42	45.62	51.92	58.22	64.52
Power source (V/Ph/Hz)	380V/50Hz/3Ph					
Weight (Kg)	835	850	935	950	1050	1070
Dimensions (L x W x H) (mm)	2400x1400x1770			2800x1400x2170		

- Dehumidification capacity is rated at process air at 20°C/60% and outdoor of 35°C

- Casing options: RS: stainless steel casing, R-M: metal casing, R-AL: thermo break aluminium casing

Drymax - Dry is good !