

STANDARD FEATURES

- Active desiccant system with:
 - Industry leading **7 year rotor and cassette warranty**
 - Industrial chain drive
- Industrial construction featuring:
 - Stainless steel exterior and interior
 - Compact design
 - UL rated electrical system
- Indoor or outdoor installation
 - Mounting style: Pad, Rail or Hanging
- Built-in PLC controls with:
 - Easy to use user interface
 - Multi-mode unit operation
 - Unit mounted indication and alarm lights
- Built-in Temperature and Humidity Sensor
 - Automatic Humidity Control
- Net Zero Ready
- SMART RINK Connect Capable
 - Adjustable Rink Humidity (with addition of SMART HUB)
- Waste Heat Recovery Coil (optional)

SMART FEATURES

	SMART RINK DRY	ADDITION OF SMART HUB SYSTEM
SAFETY¹		
High Temperature Alarm	Standard	Advanced
Rotor Rotation Failure Alarm	Standard	Advanced
Rink Fan Failure Alarm	Standard	Advanced
Reactivation Fan Failure Alarm	Standard	Advanced
Reactivation Heater Failure Alarm	Standard	Advanced
EFFICIENCY²		
Rink Dirty Filter Signal	Standard	Advanced
Reactivation Dirty Filter Signal	Standard	Advanced
Moisture Removal Rate		Advanced
Unit Operation Data		Advanced
Unit Energy Usage Data		Advanced
RELIABILITY		
Filter Inspection Indicator	Standard	Advanced
Critical Component Inspection	Standard	Advanced
Excessive Humidity Indication		Advanced
Excessive Cycling Indication		Advanced

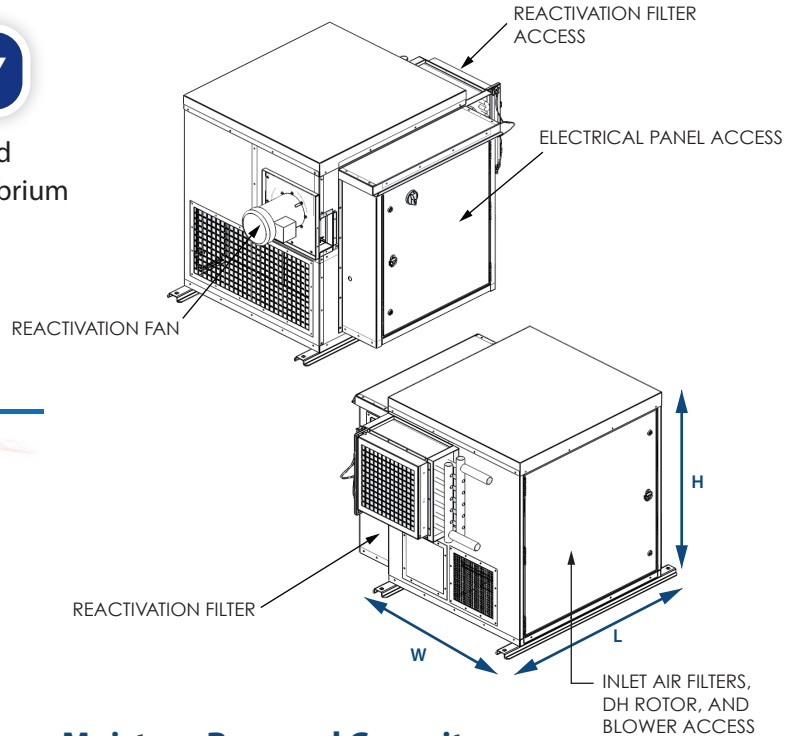
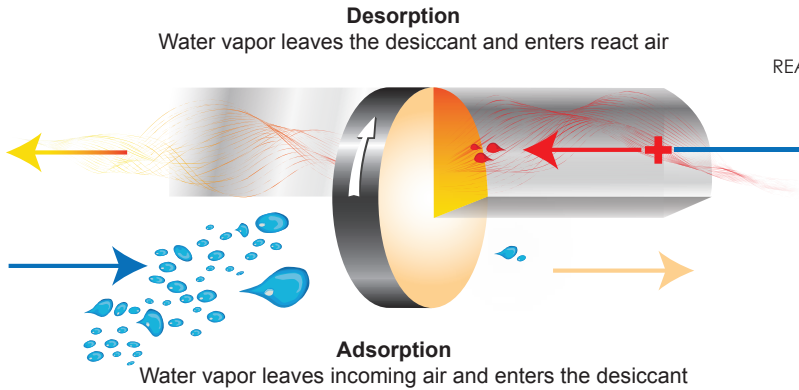
¹ Alarms are safety-related and will illuminate a red light on the unit
² Signals are notifications and will illuminate a yellow light on the unit
 Standard SMART Features are included as a standard and may require service personnel to interpret alarms or signals
 Advanced SMART Features are included with the SMART HUB system and offer advanced functionality over the basic SMART features





ACTIVE DESICCANT TECHNOLOGY

Provides 40°F + dew point reduction as both adsorption and desorption are simultaneously driven by water vapor equilibrium of air and desiccant.



Technical Specifications

	Product	ARID-ICE 2500-E
Unit Physical Data*		
Length (L)	[in]	46.0
Width (W)	[in]	45.5
Height (H)	[in]	41.5
Approximate Unit Weight	[lb]	625
Utility Data		
FLA (460V / 575V)	[amps]	26 / 21
MCA (460V / 575V)	[amps]	34 / 27
MOP (460V / 575V)	[amps]	35 / 30
Voltage Options		
Electric Reactivation	[V/PH]	460V / 3PH 575V / 3PH
Supply Air Data		
Process Air Volume	[scfm]	2,500
External Static Pressure	[in W.C.]	0.0
Reactivation Air Data		
Reactivation Air Volume	[scfm]	300
External Static Pressure	[in W.C.]	0.5

*Actual weight and dimensions to be provided at time of quotation and submittal. Continual engineering and research for product improvement may result in design and specification changes. Consult sales for certified technical data.

Moisture Removal Capacity

Entering Air Dry Bulb (°F)	Nominal Moisture Removal (lb/hr)*					
	Entering Air Relative Humidity (%)					
	80	70	60	50	40	30
80	37.3	36.4	34.8	32.6	29.8	26.3
75	37.5	36.2	34.5	32.2	29.2	25.7
70	37.1	35.6	33.9	31.5	28.5	24.8
65	36.6	35.2	33.0	30.8	27.6	23.9
60	35.9	34.4	32.4	29.7	26.5	22.4
55	35.3	33.3	31.1	28.2	24.9	20.4
50	33.9	31.8	29.4	26.6	22.9	17.6
45	32.1	29.9	27.4	24.2	20.3	13.2
40	29.8	27.5	24.7	21.2	15.3	9.5

*Moisture Removal Ratings are at full flow, 80°FDB & 104 GR/LB reactivation inlet

ETL Certification

- UL508A/CSA C22.2 No. 286
- UL1995/CSA C22.2 No. 236

