



ARID-Dry®
by Climate by Design
INTERNATIONAL

**MS 2400/2000
NG/LP**



FEATURES:

- Natural Gas + Propane Reactivation
- 20" Duct Collars – Supply & Return – with Protective Covers
- 12" Duct Collars – Reactivation Inlet & Outlet – with Protective Covers
- Weatherproof Cabinet – Stainless Steel, Double-Wall Insulated
- Forklift-Compatible Base with Built-In Fork Pockets
- Desiccant Wheel with Full Perimeter Chain Drive (Lifetime Rated)
- Silicone Wiper Seals – Rated for 10-Year Service Life
- Non-Overloading Backward Inclined Process Air Fans
- Camlock Power Connection for Easy Field Hookup
- Hinged, Tooled Access Doors for Service Access
- Integrated Hour Meter
- Phase Monitor for Line Voltage Protection
- Remote Humidistat Ready – Pre-Wired Jumper Plug
- Operational Status and Fault Indicator Lights
- Circuit Breaker Protection for Motors and Heaters
- 2" Replaceable MERV 8 Filter (30% Efficiency)

OPTIONS:

- Electric Reactivation
- Remote Humidistat (Includes 50' Cord)
- Supply & Return Ducting
- Reactivation Inlet & Outlet Ducting
- Ducting Accessories (Adapters, Rings, Clamps, etc.)
- Clear Lay Flat Discharge Material
- Structurally Certified Protective/Stacking Cage (Bolted)
- (4) Swivel Locking Casters

ETL CERTIFICATION

- UL1995/CSA C22.2 No. 236

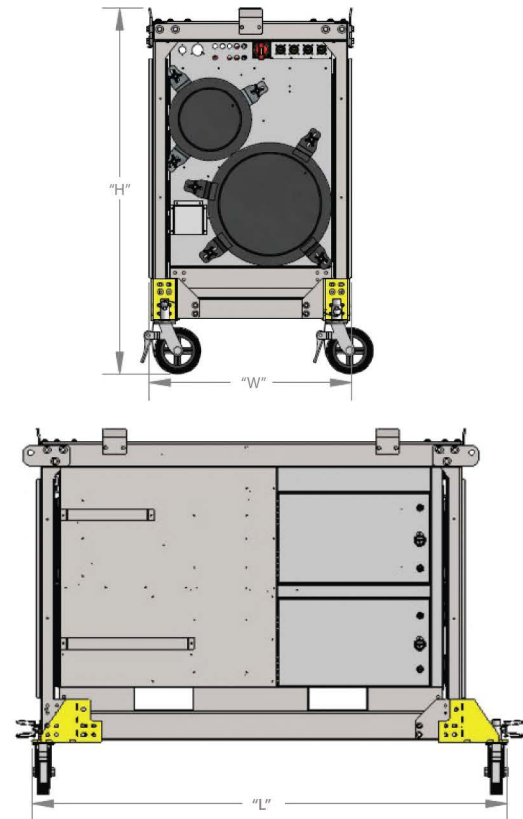
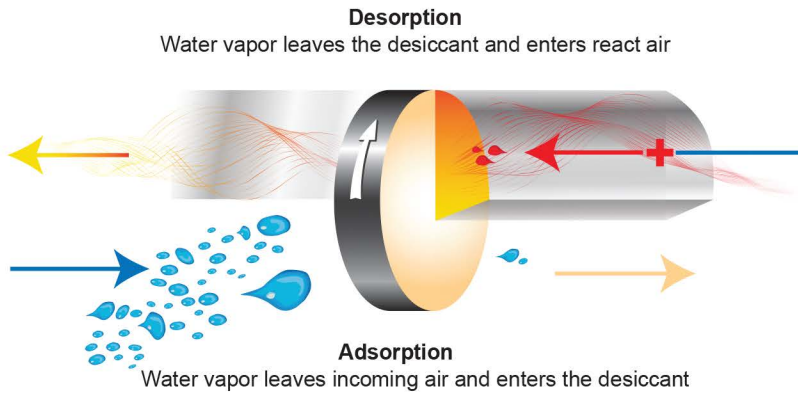


Stephenson's
CLIMATE CONTROL



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	MS-2400/2000	
Unit Physical Data*			
Length (L)	[in]	89	
Width (W)	[in]	35	
Height (H)	[in]	63**	
Approximate Unit Weight	[lb]	1,250	
Utility Data		Gas	
FLA React Heater Load	[amps]	0	
FLA	[amps]	20.2	
MCA	[amps]	26	
MOP	[amps]	35	
Voltage Options		Gas	
Electric Reactivation	[V/PH]	230/1	
Supply Air Data			
Process Air Volume	[scfm]	2,400	2,000
External Static Pressure	[in W.C.]	0	2.0
Reactivation Air Data			
Reactivation Air Volume	[scfm]	553	
External Static Pressure	[in W.C.]	0.5	
Generator Size		Gas	
Minimum	[kw]	8	
Gas Sizing			
Pipe Size, NPT	[in]	1/2	
Gas Inlet Pressure	[in W.C.]	7-14	
Gas Max Usage NG	[MBTUH]	120	
Gallons/HR Max Usage LP	[Gal/hr]	1.3	
Propane Tank Size			
Minimum	[gallons]	120	

Moisture Removal Capacity

Nominal Moisture Removal (lb/hr)						
Entering Air Dry Bulb (°F)	Entering Air Relative Humidity (%)					
	80	70	60	50	40	30
80	54	53	51	47	39	31
75	54	53	50	46	38	30
70	55	53	49	44	37	28
65	54	51	48	41	34	25
60	52	49	44	38	30	23
55	49	45	39	33	26	19
50	45	40	34	28	23	17
45	39	34	29	24	19	14
40	33	28	24	20	16	11

Nominal Moisture Removal (Gallon/Day)						
Entering Air Dry Bulb (°F)	Entering Air Relative Humidity (%)					
	80	70	60	50	40	30
80	154	152	146	134	112	89
75	154	152	143	132	109	86
70	157	152	140	126	106	80
65	154	146	137	117	97	72
60	149	140	126	109	86	66
55	140	129	112	94	74	54
50	129	114	97	80	66	49
45	112	97	83	69	54	40
40	94	80	69	57	46	31

* Actual weight and dimensions to be provided at time of quotation and submittal.

** With cage and caster options included.

Continual engineering and research for product improvement may result in design and specification changes. Consult sales for certified technical data.

