



FEATURES:

- 20" Supply & Return Duct Collars with Protective Covers
- 12" Reactivation Inlet & Outlet Duct Collars with Protective Covers
- Weatherproof Construction – Stainless Steel single wall construction
- Fork tube pocket base
- Desiccant wheel with drive system
- Full perimeter chain drive with lifetime rating
- Silicone wiper seals with a 10-year rating
- Backward incline non-overloading fans – Process Air
- Power connection including Cam style locks for easy field connection
- Tooled access doors
- Operation and Fault Indicator Lights
- Hour Meter
- Phase monitor protection
- Remote Humidistat Ready Plug
- Replaceable filter 2" 30% MERV 8

OPTIONS:

- Structurally Certified Protective/Stacking Cage (bolted)
- Remote Humidistat (with 50' of cord)
- Supply & Return Ducting
- Reactivation Inlet & Outlet Ducting
- Ducting Accessories
- 100' of #2 Power Cable Kit
- Lay Flat (Clear)

ETL CERTIFICATION

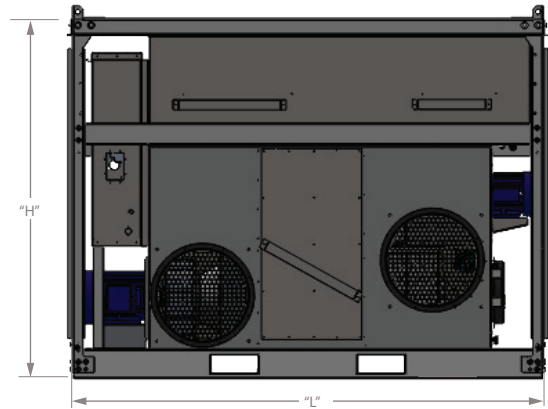
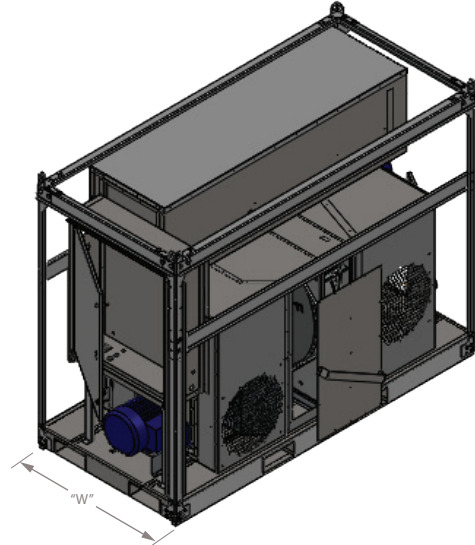
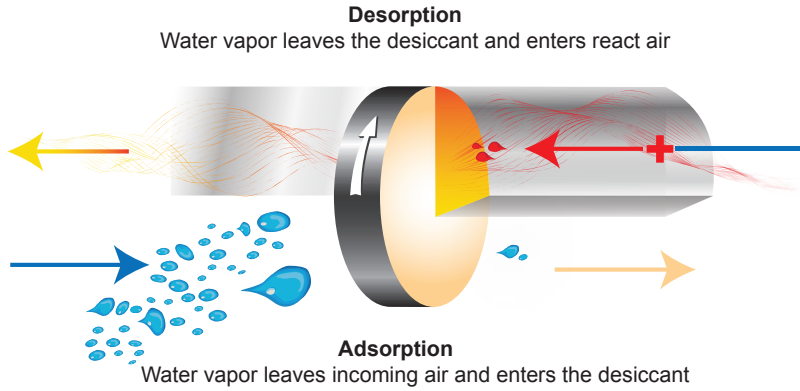
- UL1995/CSA C22.2 No. 236





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-5000/4000	
Unit Physical Data			
Length (L)	[in]	96	
Width (W)	[in]	46.25	
Height (H)	[in]	76.2	
Approximate Unit Weight	[lb]	2,350	
Utility Data		Electric	Gas
FLA React Heater Load	[amps]	94	0
FLA	[amps]	107.4	47.3
MCA	[amps]	135.3	59.1
MOP	[amps]	150	75
Voltage Options		Electric	Gas
Electric Reactivation	[V/PH]	460/3	230/1
Supply Air Data			
Process Air Volume	[scfm]	5,000	4,000
External Static Pressure	[in W.C.]	0	4.3
Reactivation Air Data			
Reactivation Air Volume	[scfm]	1,109	
External Static Pressure	[in W.C.]	0.5	
Generator Size		Electric	Gas
Minimum	[kw]	100	15
Gas Sizing			
Pipe Size, NPT	[in]	3/4	
Gas Inlet Pressure	[in W.C.]	7-14	
Gas Max Usage NG	[MBTUH]	287	
Gallons/HR Max Usage LP	[Gal/hr]	3.2	
Propane Tank Size			
Minimum	[gallons]	150	

Moisture Removal Capacity

Entering Air Dry Bulb (°F)	Nominal Moisture Removal (lb/hr)					
	Entering Air Relative Humidity (%)					
	80	70	60	50	40	30
80	127	121	111	97	82	65
75	126	119	107	94	79	62
70	123	115	102	89	74	58
65	118	108	95	80	68	52
60	110	99	87	74	60	45
55	99	89	77	65	52	39
50	88	77	67	56	45	33
45	75	66	57	47	37	28
40	63	56	47	39	31	23

Entering Air Dry Bulb (°F)	Nominal Moisture Removal (Gallon/Day)					
	Entering Air Relative Humidity (%)					
	80	70	60	50	40	30
80	363	346	317	277	235	186
75	360	340	306	269	226	177
70	352	329	292	255	212	166
65	337	309	272	229	194	149
60	315	283	249	212	172	129
55	283	255	220	186	149	112
50	252	220	192	160	129	94
45	215	189	163	134	106	80
40	180	160	134	112	89	66

*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.

