

Dual Tower Heat Regenerative Desiccant Air Dryers 100 to 6000 SCFM

Altec AIR's HRE Series Heat Regenerative Desiccant Air Dryers apply a regulated amount of dried process air, which has been heated by way of a low watt density heater, down through the desiccant bed (counter current). This heated purge air is then exhausted to atmosphere, removing the water vapor that had adhered to the desiccant during the previous cycle.

- ASME / CRN Approved Pressure Vessels
- Factory installed Filters w/ Differential Pressure Gauges and Pre-Filter Timer Drain
- Feature Rich ETL Listed Pro-Logic Controller w/ NEMA 4X Enclosure
- Regulated Purge Flow for Optimum Setting, Regardless of Operating Pressure
- ISO 8573.1 Class 2 -40°F/C Standard Outlet Dewpoint



FEATURES

- Power Requirements (model specific):
 - 120 VAC, 1 Phase, 60 Hz
 - 230 VAC, 1 Phase, 60 Hz
 - 460 VAC, 3 Phase, 60 Hz
- Maximum Pressure - 150 PSIG Standard
- Maximum Operating Temperature - 120°F / 49°C
- Tower Pressure Gauges & Dew Point Indicators
- Welded Frame Base - Easy Move With Forklift
- OSHA Approved Mufflers
- Desiccant Fill & Drain Ports
- ASME Safety Relief Valves

OPTIONS

- EcoTronic Dew Point Demand Control
- Dual Filter & Bypass Packages -
 - 3-Way Bypass Installed
 - 6-Way Bypass w/ Dual Select Pre-Filter
 - 9-Way Bypass w/ Dual Select Pre & After Filters
- Low Ambient Temperature (-20°F) Kit Installed

Call for all Available Options

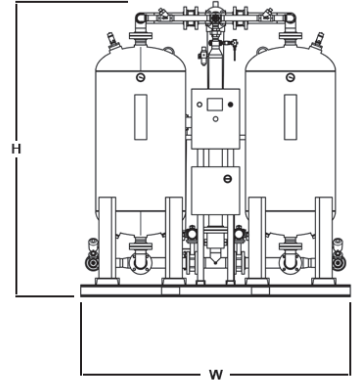
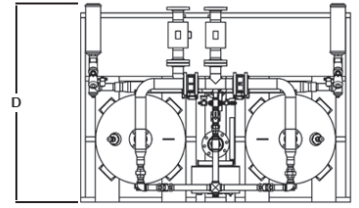
www.AltecAIR.com
800.521.5351

Altec | AIR
HRE SERIES
DUAL TOWER HEAT REGENERATIVE DRYERS

HRE Series

SPECIFICATIONS & DIMENSIONS

	INLET Flow (SCFM @ 100 PSIG)	Inlet / Outlet Ports (NPT)	Power Requirement	Heater (KW)	Approx. Purge (SCFM)	Dimensions W x D x H (in)	Weight (lbs)
HRE-0100-1	100	1"	120 VAC, 1 Ph, 60 Hz	1.5	8	27 x 30 x 79	550
HRE-0130-1	130				10	27 x 32 x 79	630
HRE-0200-2	200	1-1/2"	230 VAC, 1 Ph, 60 Hz	3.0	15	31 x 36 x 90	940
HRE-0250-2	250				19		
HRE-0300-4	300				23	31 x 38 x 91	1,095
HRE-0400-4	400	2"	460 VAC, 3 Ph, 60 Hz	5.0	30	32 x 40 x 94	1,390
HRE-0550-4	550			6.0	41	44 x 49 x 93	1,700
HRE-0650-4	650			7.5	49	44 x 52 x 93	1,855
HRE-0800-4	800			9.0	60	44 x 52 x 98	2,270
HRE-1000-4	1000			12.0	75	52 x 48 x 102	2,900
HRE-1250-4	1250	3" (FLG)	460 VAC, 3 Ph, 60 Hz	18.0	113	96 x 70 x 101	4,530
HRE-1500-4	1500			25.0	150	96 x 84 x 121	6,210
HRE-2000-4	2000	4" (FLG)	460 VAC, 3 Ph, 60 Hz	30.0	225	90 x 92 x 112	7,620
HRE-2600-4	2600			38.0	300	117 x 127 x 112	9,565
HRE-3000-4	3000			50.0	375	133 x 116 x 105	11,055
HRE-4000-4	4000	6" (FLG)	460 VAC, 3 Ph, 60 Hz	60.0	450	145 x 123 x 104	14,125
HRE-5000-4	5000						
HRE-6000-4	6000						



* Units 4000 SCFM and larger with factory packaged filters are provided on two bases designed to bolt together at installation.

Sizing based on the Compressed Air and Gas Institute CAGI ADF 200 Standard for Compressed Air of 100 PSIG inlet pressure, 100°F inlet temperature and -40° F pressure dew point providing ISO Quality to standard 8573-1 rating 1-2-1 for Compressed Air Quality.

MULTIPLIER TABLES

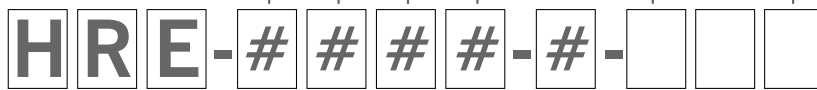
Sizing Dryers for Variable Conditions

$$\text{Maximum Inlet Flow (-40° F/C PDP)} = \text{INLET Flow (above)} \times \text{Inlet Pressure Correction Factor (A)} \times \text{Inlet Temp Correction Factor (B)}$$

Actual Pressure (PSIG)	60	70	80	90	100	110	120	130	140	150
Correction Factor (A)	0.66	0.72	0.82	0.90	1.00	1.07	1.15	1.24	1.33	1.40
Inlet Temp (°F)	80		90		100		110		120	
Correction Factor (B)	1.40		1.32		1.00		0.75		0.58	

MODEL CONFIGURATION

Dryer Model: From Above



Voltage: From Power Requirement Above

- 1 - 120 VAC, 1 Phase, 60 Hz
- 2 - 208-230 VAC, 1 Phase, 60 Hz
- 4 - 460 VAC, 3 Phase, 60 Hz

- 3 - 3-Way
- 6 - 6-Way & Dual Selectable Pre-Filter
- 9 - 9-Way & Dual Selectable Pre-Filter & Post-Filter

*EcoTronic:

E - YES

*Low Ambient Kit:

L - YES

*Bypass:

ISO 8573:2010 Quality Class	DIRT Maximum Number of Particle Size per m ³ in micron	WATER Pressure Dewpoint °C (ppm. Vol.) at 7 bar g	OIL (including vapour) mg/m ³
0	As specified by equipment or supplier. More stringent than Class 1.		
1	<20,000	0.1-0.5 -70 (0.3)	0.01
2	<400,000	0.1-0.5 -40 (16)	0.1
3	<90,000	0.5-1.0 -20 (128)	1.0
4	<10,000	1.0-5.0 +3 (940)	5
5	<100,000	1.0-5.0 +7 (1240)	25
6		+10 (1500)	-

HRE Series meets ISO 8573-1 Air Quality of 1.3.1

* Leave Unselected Options Blank when building your Part Number

For more complete information on Altec AIR products and services, visit us on the web at www.AltecAIR.com. Material and specifications are subject to change without notice. Featured units in photos may include optional features. Please contact an Altec AIR representative for all available options. Altec AIR logo is a registered trademarks of Altec Inc. in the United States and various other countries and may not be used without permission.

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