

## Desiccant Air Dryers 75 to 3000 SCFM

Altec AIR's MHR Series Heatless Desiccant Air Dryers are our largest capacity regenerative air dryers to meet the needs of the industrial compressed air market.

- ASME Inspected, Stamped, & CRN Registered Pressure Vessels
- Fully Re-Pressurizing Design for Steady Outlet Pressure and Flow
- Solid State Control System for Reliable Operation
- Dryer Operation Sequence Lights with Fail-to-Shift Alarm Feature
- Standard NEMA 4X Electrical Rating
- Consistent ISO 8573.1 Class 2 -40°F/C Standard Outlet Dewpoint



### FEATURES

- Outlet Dewpoints with 100°F / 38°C Saturated Inlet
  - -40° F/C Pressure Dewpoint (PDP) - *Selectable*
  - -100°F / -73°C Pressure Dewpoint (PDP) - *Selectable*
- Power Requirements
  - 115 VAC, 1 Phase, 50/60 Hz
- Maximum Pressure - 150 PSIG Standard
- Maximum Operating Temperature - 120°F / 49°C

### OPTIONS

- Econo-Purge Dewpoint Controller
- H Series Filters:
  - Grade P - Particulate Prefilter
  - Grade C - Oil Removing General Purpose
  - Grade E - Oil Removing High Efficiency
  - Grade A - Oil Removing Absorber

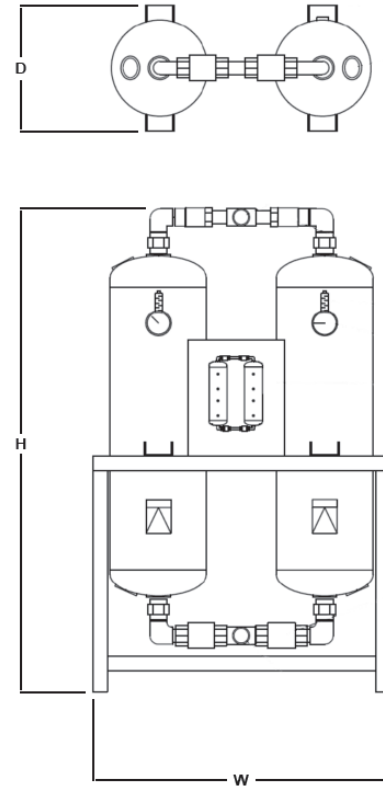
[www.AltecAIR.com](http://www.AltecAIR.com)  
800.521.5351

**Altec | AIR**  
MHR SERIES  
DESICCANT AIR DRYERS

# MHR Series

SPECIFICATIONS & DIMENSIONS

	INLET Flow (SCFM @ 100 PSIG)	PURGE Flow (SCFM @ 100 PSIG)	OUTLET Flow (SCFM @ 100 PSIG)	Inlet / Outlet Ports (NPT)	Weight (lbs)	Height (in)	Width (in)	Depth (in)
MHR75	75	10.9	64.1	1"	475	70	31	20
MHR100	100	14.6	85.4		590		36	
MHR125	125	18.2	106.8		560		40	
MHR150	150	21.9	128.1		650		40	
MHR200	200	29.2	170.8	1-1/2"	780	90	52	22
MHR250	250	36.5	213.5		950		54	
MHR350	350	51.1	298.9		1150		56	
MHR520	520	75.9	444.1	2"	1500	96	65	30
MHR620	620	90.5	529.5		1900		72	38
MHR800	800	116.8	683.2	3" (FLG)	2200	92	76	42
MHR1000	1000	146.0	854.0		3700		88	
MHR1200	1200	175.2	1024.8		6000		88	
MHR1600	1600	233.6	1366.4	4" (FLG)	6500	118	100	58
MHR2000	2000	292.0	1708.0		7600		134	
MHR3000	3000	438.0	2562.0		9500		140	



MULTIPLIER TABLE

## For INLET Pressures other than 100 PSIG

**Maximum Inlet Flow** (-40° F/C PDP) = **INLET Flow** (above) x **INLET Flow Factor (A)** @ Actual Pressure (below)

**Purge Flow** = **INLET Flow** (above) x **PURGE Flow Factor (B)** @ Actual Pressure (below)

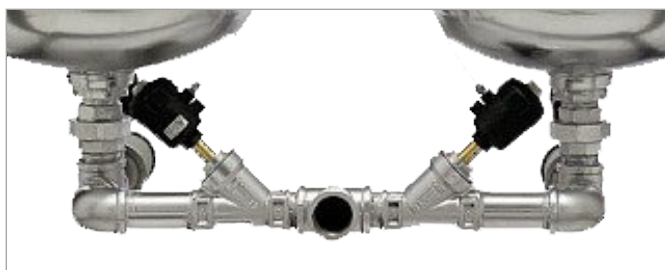
**Rated OUTLET Flow** = Calculated **Maximum Inlet Flow** - Calculated **Purge Flow**

Actual Pressure (PSIG)	60	70	80	90	100	110	120	130	140	150	175*	200*	250*
INLET Flow Factor (A)	0.60	0.70	0.80	0.90	1.00	1.09	1.17	1.25	1.30	1.35	1.55	1.70	1.85
PURGE Flow Factor (B)	0.225	0.197	0.175	0.159	0.146	0.135	0.127	0.120	0.116	0.112	0.099	0.091	0.084

\* These pressures exceed the MHR Standard input. Please Contact Altec AIR for assistance.

### ANGLE SEATED CONTROL VALVES

PNEUMATICALLY OPERATED TO CONTROL INLET AND PURGE AIR



## Need A Custom Sized Air Dryer?

Contact Altec AIR for assistance selecting the right dryer for your application. All you need is the required dewpoint, operating pressure, and the required inlet or outlet flow rate.

ISO 8573-1	Quality Class	1	2	3	4	
		Dewpoint	°F	-100°	-40°	-4°
		°C	-73°	-40°	-20°	3°
Remaining Moisture	ppmw	0.12	10	81	610	
	mg/m <sup>3</sup>	0.15	12	97	730	

For more complete information on Altec AIR products and services, visit us on the web at [www.AltecAIR.com](http://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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