

## TWR HEATLESS DESICCANT AIR DRYER DATA SHEETS

<b>MODEL</b>		TWR500
<b>PERFORMANCE DATA</b>		
Pressure Dewpoint	°F	-40
Airflow Capacity	scfm	500
Working Pressure	psi	100
Max Working Pressure	psi	200
Inlet Air Temperature	°F	250
Max Inlet Temperature	°F	250
Min Ambient Temperature	°F	40
Max Ambient Temperature	°F	100
<b>GENERAL DATA</b>		
Desiccant Type		Activated Alumina
Desiccant Amount	lbs/tower	600
Cycle Time	min	10
Water Separator Efficiency	%	93
Coarse Prefilter	µm	1.0
Fine Prefilter	µm	0.01
Afterfilter	µm	1.0
Purge Air Loss	scfm	75
Aftercooler Air Motor Loss	scfm	25
Pressure Drop	psid	12
Noise Level	dBa	85
<b>PIPING CONNECTIONS</b>		
Air In/Out Connection Size	in	2" NPT
Drain Connection	in	1/2" NPT
<b>DIMENSION &amp; WEIGHT (Pre and After Filter Included)</b>		
Width	in	51
Height	in	62
Depth	in	94
Weight	lbs	2520
<b>ELECTRICAL DATA</b>		
Power Supply	v/ph/hz	120/1/60
FLA	amps	1.0
Controller Type		Solid state sequence annunciator
Electrical Class		Nema 1, 4, 4X, 12

Standard Flow rates are at the following climatic conditions –Ambient Temperature 100°F, Inlet Temperature 100°F, Inlet Pressure 100 psi g, unless specified otherwise. Ambient Temperatures, Inlet Temperatures and Inlet Pressures outside standard conditions will affect performance. Refer to brochure for conversion factors or factory for assistance in sizing. Stated minimum and maximum conditions for this unit shall not be exceeded. Doing so will affect performance and void warranty.