

HLA 500

115V/1Ph/60Hz - 500 scfm desiccant air dryer

The nano D⁵ twin tower heatless desiccant air dryer provides clean dry air for a wide range of industrial applications. These dryers use the pressure swing adsorption principle in a twin tower design to dehydrate and purify compressed air in a simple, efficient and compact package. With digital controls that manage energy consumption and provide dew point monitoring, the D⁵ twin tower heatless desiccant air dryer provides substantial energy savings under various seasonal conditions for critical applications.



general characteristics

rated capacity (scfm)*	500
regeneration air (scfm)*	75
absorbed power (kW)	0.35

operating limits

minimum/design/maximum operating pressure range (psig)	80 / 100 / 150
minimum/design/maximum ambient temperature range (°F)	38 / 100 / 120
minimum/design/maximum inlet temperature (°F)	38 / 100 / 120

desiccant chambers

desiccant type	1/8" activated alumina
desiccant weight (lbs)	500

controls/design

dryer design	PSA heatless regenerative
controller type	PLC
power supply (V/Ph/Hz)	115/1/60
NEMA rating	NEMA 4X

air circuit

air circuit connections (NPT(F))	2"
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ISO class

ISO air quality class (water content)	class 2 (-40°F pdp) class 0 or class 1 optional
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*in compliance with CAGI (ADF 100) / NFPA (class H): inlet temperature 100°F, ambient temperature 100°F, inlet pressure 100 psig, pressure dew point -40°F (-94°F optional). For all other conditions, contact support@n-psi.com

features

- UL/cUL compliant
- ASME U stamped pressure vessels
- visual moisture indicator
- integral energy saving outlet dew point control (ES optional)
- pre- and after filters recommended
- variety of options including bypass and pre-packaged systems

electrical features

- PLC controller
- fiber glass cUL panel for NEMA 4X protection class
- ETL approved electrical panel

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technical specification

dimensions & weight	
width (in)	47
depth (in)	41
height (in)	89
weight (lbs)	1100

*does not include desiccant
 **all numbers are approximate

