



nano D⁵: Compressed Air Dryers

EH 0500

500 scfm Desiccant Air Dryer

The nano EH externally heated twin tower desiccant air dryer provides clean dry air for a wide range of industrial applications. These dryers use an electric heater to heat a small amount of dry purge air during regeneration to reduce the amount of purge air required, increase efficiency and reduce the running cost of your compressed air network. For consistent performance and cost-effective operation, these dryers are an excellent choice.



GENERAL CHARACTERISTICS	
Rated capacity (scfm) ⁽¹⁾	500
Regeneration air (scfm) ⁽²⁾	40
Heater (kW)	7
Absorbed power (FLA)	11.7
Half cycle time (hrs)	4
Dryer pressure drop (psi)	5
OPERATING LIMITS	
Minimum / design / maximum operating pressure range (psig)	70 / 100 / 180
Minimum / design / maximum ambient temperature range (°F) ⁽³⁾	38 / 100 / 120
Minimum / design / maximum inlet temperature (°F)	38 / 100 / 120
DESICCANT CHAMBERS	
Desiccant type	¾" activated alumina
Desiccant weight per tower (lbs)	250
Design standard	ASME (U) / CRN
CONTROLS / DESIGN	
Dryer design	externally heated
Premium controller type (upgrade)	Allen-Bradley™ PLC
Remote communications available with premium controller	Ethernet/Modbus
Power supply (V/Ph/Hz) ⁽⁴⁾	460 / 3 / 60
NEMA rating	NEMA 4
AIR CIRCUIT	
In/outlet connection ⁽⁶⁾	2" NPT
Filters	GFN0700 (M01/M1)
Condensate drain	zero air loss
ISO CLASS	
ISO air quality class (water content)	class 2 (-40°F pdp)

(1) In compliance with CAGI ADF 100 specifications for compressed air dryers: Inlet temperature: 100°F, ambient temperature: 100°F, inlet pressure dew point: -40°F. For all other conditions refer to the correction factors or contact support@airandgassolutions.com

(2) Based on 50 psig purge pressure

(3) Low Ambient +20°F is a standard option

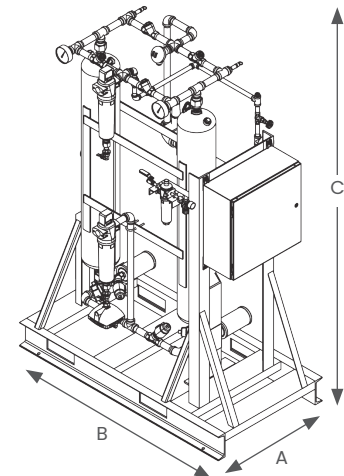
(4) 575/3/60 is a standard option

(5) NEMA 4X is a standard option

(6) All units with 3" piping and above will be ANSI welded pipe

Dimensions & Weight

DIMENSIONS AND WEIGHT	
A (ins)	64
B (ins)	47
C (ins)	91
Weight (lbs)	2300



D⁵: Twin Tower Externally Heated Desiccant Air Dryers

Standard Features

- Made in the USA
- Rugged steel frame
- UL/cUL compliant
- ASME U-stamped pressure vessels
- Dew point monitoring and control
- Low noise exhaust mufflers
- Failure-to-shift
- Mounted pre and after filters included
- Allen-Bradley™ PLC controller
- NEMA 4
- Adjustable purge
- Heatless backup mode

Technical specifications subject to change without notice.
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