

## NDL 110-GF

100-240 VAC/50 or 60 Hz - 106 scfm desiccant air dryer

The nano D<sup>2</sup> modular air dryer provides clean dry air for a wide range of industrial applications. These dryers use the pressure swing adsorption principle in a modular design to dehydrate and purify your compressed air in a simple, efficient and compact package. With digital PLC controls that manage energy consumption and provide dew point monitoring, the D<sup>2</sup> modular desiccant air dryer provides substantial energy savings under various seasonal conditions for critical applications.



general characteristics	
rated flow (scfm) <sup>(1)</sup>	106
regeneration air (scfm)	21.2
absorbed power (kW)	0.0360
power supply (V/Ph/Hz) <sup>(2)</sup>	100-240 VAC/50 or 60 Hz
operating limits	
design operating pressure range (psig)	58 to 232
design operating temperature range (°F)	35 to 100
minimum/maximum ambient temperature (°F)	35 to 122
maximum inlet temperature (°F)	122
desiccant chambers	
desiccant type	activated alumina
desiccant cartridges with integrated after filter (kit no)	NDK 110
controls/design	
dryer design	PSA
controller type	PLC
NEMA rating	NEMA 1
air circuit	
air circuit connections (PTC)	1"
ISO class	
ISO air quality class (water content)	class 2 (-40°F pdp)

(1) 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  
 (2) optional 24 V DC

## features

- c-ETL-US certification
- includes a separate F1 M01 grade pre filter (shipped loose) and a built in 1 micron after filter
- patented combined filter & desiccant cartridge; no after filter required
- advanced PLC controlled operation
- built in reliability with a 2-year warranty
- energy saving dew point control (optional)
- floor or wall mounted (optional wall mounting brackets available) installation
- reliable high performance valves
- tower pressure gauges
- tower equalization for constant flow and pressure
- designed for tough industrial settings
- integrated compressor synchronization function
- advanced PLC features: digital interface, digital LED display, outlet air dew point indication (with ES option)
- user programmable operating parameters
- alarm indication

nano-purification solutions  
Charlotte, North Carolina  
United States

nano-purification solutions TN  
Maryville, Tennessee  
United States

nano-purification solutions Canada  
St. Catharines, Ontario  
Canada

nano-purification solutions Ltd.  
Gateshead, Tyne and Wear  
United Kingdom

nano-purification solutions GmbH  
Erkelenz, Germany

nano-purification solutions Asia  
Singapore

Tel: 704.897.2182  
Fax: 704.897.2183  
Email: support@n-psi.com  
Web: www.n-psi.com

dimensions and weights	
A (in)	49.1
B (in)	16.8
C (in)	11.1
weight (lbs)	167

