



nano D¹: Modular Desiccant Air Dryers

NDL 050 GFN

20 scfm Desiccant Air Dryer

The nano D¹ 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 simple, efficient and compact package. With digital PLC controls that merge energy consumption and provide dew point monitoring, the D¹ modular desiccant air dryer provides substantial energy savings under various seasonal conditions for critical applications.



GENERAL CHARACTERISTICS	
Rated flow (scfm) ⁽¹⁾	20
Regeneration air (scfm)	4.8
Absorbed power (W)	< 200
Power supply (V/Ph/Hz) ⁽²⁾	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 050
CONTROLS / DESIGN	
Dryer design	heatless desiccant
Controller type	PLC
NEMA rating	NEMA 1
AIR CIRCUIT	
Air circuit connections (PTC) ⁽³⁾	½"
ISO CLASS	
ISO air quality class (water content) ⁽⁴⁾	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. For all other conditions, contact support@airandgassolutions.com.

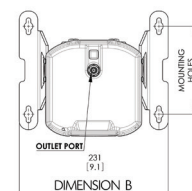
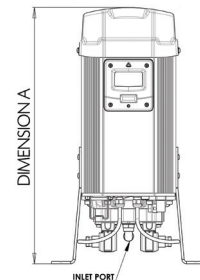
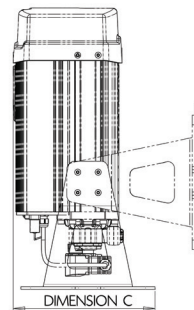
(2) Optional 24 VDC

(3) PTC = push to connect

(4) ISO class 1 (-94°F pdp) optional

Dimensions & Weight

DIMENSIONS AND WEIGHT	
A (ins)	46.8
B (ins)	10.4
C (ins)	13.0
Weight (lbs)	56.2



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Features

- C-ETL-US certification
- Includes a shipped loose M01 grade prefilter and a built in 1 micron afterfilter.
- Patented combined filter & desiccant cartridge; no afterfilter required
- Advanced PLC controlled operation
- Built in reliability with a 2-year warranty
- Energy saving dew point control (optional)
- Floor or wall mounted installation
- Reliable high-performance valves
- 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

Technical specifications subject to change without notice.
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