nano D[1]: Modular Low Dew Point Desiccant Air Dryers

NDL 050 LDP CRN

16 scfm Desiccant Air Dryer



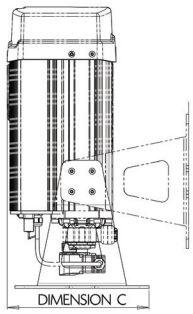
The nano D[1] modular low dew point air dryer provides clean dry air for a wide range of industrial applications. These dryers use the pressure swing adsorption principle in a modular design to dehydrate and purify your compressed air in simple, efficient and compact package. With digital PLC controls that merge energy consumption and provide dew point monitoring, the D[1] modular low dew point desiccant air dryer provides substantial energy savings under various seasonal conditions for critical applications.

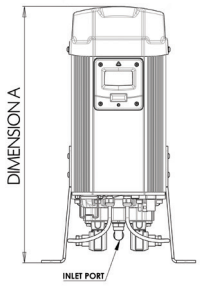
GENERAL CHARACTERISTICS	
Rated flow (scfm) (1)	16
Regeneration air (scfm)	4.8
Absorbed power (kW)	0.0264
Power supply (V/Ph/Hz) (2)	100-240 VAC/50 or 60 Hz
OPERATING LIMITS	
Design operating pressure range (psig)	58 to 232
Design operating temperature range (°F)	35 to 100
Minimum/maximum ambient temperature (°F)	35 to 122
Maximum inlet temperature (°F)	not to exceed 85
DESICCANT CHAMBERS	
Desiccant type	13X molecular sieve
Desiccant cartridges with integrated afterfilter (kit no)	NDK 050 LDP
CONTROLS / DESIGN	
Dryer design	PSA
Controller type	PLC
NEMA rating	NEMA 1
AIR CIRCUIT	
Air circuit connections (PTC) (3)	½"
ISO CLASS	
ISO air quality class (water content)	class 1 (-94°F pdp)

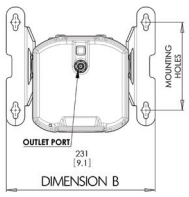
(1) In compliance with CAGI (ADF 100) / NFPA (class H): inlet temperature 100°F, ambient temperature 100°F, inlet pressure 100 psig, pressure dew point -94°F. For all other conditions, contact support@airandgassolutions.com.
(2) Optional 24 VDC

Dimensions & Weight

DIMENSIONS AND WEIGHT	
A (ins)	49.3
B (ins)	10.5
C (ins)	11.1
Weight (lbs)	57







D¹: Modular Low Dew Point Desiccant Air Dryers

Features

- Includes 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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