nano D[1|2|3]: Modular Desiccant Air Dryers

NDL 010 CRN

100-240 VAC/50 or 60 Hz - 3 SCFM Desiccant Air Dryer

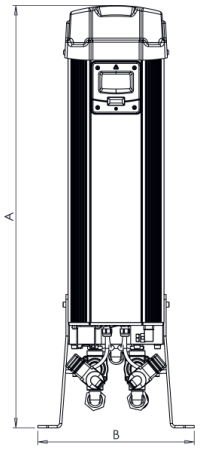
The nano D[1] modular air dryer provides clean dry air for a wide range of industrial applications. These dryers use the pressure swing adsorption principle in a modular design to dehydrate and purify your compressed air in a simple, efficient and compact package. With digital PLC controls that manage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

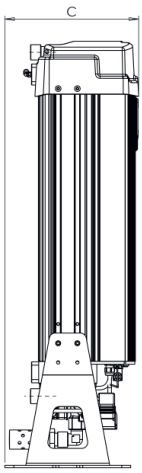
GENERAL CHARACTERISTICS	
Rated capacity (scfm) [(1)]	3
Regeneration air (scfm)	0.6
Absorbed power (kW)	0.0264
Power supply (V/Ph/Hz) [(2)]	100 to 240 /50 or 60
OPERATING LIMITS	
Design operating pressure range (psig)	58 to 232
Design operating temperature range (°F)	34 to 100
Minimum/maximum ambient temperature (°F)	34 to 122
Maximum inlet temperature (°F)	122
DESICCANT CHAMBERS	
Desiccant type	13X molecular sieve
Desiccant cartridges with integrated after filter (kit no)	NDK 010
CONTROLS/ DESIGN	
Dryer design	PSA
Controller type (PLC)	programmable logic controller
NEMA rating	NEMA 1
AIR CIRCUIT	
Air circuit connections (NPT)	½"
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 canadasupport@airandgassolutions.com.
(2) Optional 24 V DC

Dimensions & Weight

DIMENSIONS AND WEIGHT	
A (ins)	19.8
B (ins)	10.5
C (ins)	8.8
Weight (lbs)	23





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Features

- Includes 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 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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