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

NDL 6120N

100-240 VAC/50 or 60 Hz - 828 scfm Desiccant Air Dryer

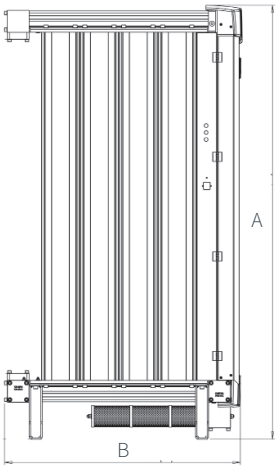
The nano D[1|2|3] modular air dryer provides clean dry air for a wide range of industrial applications. These dryers use the pressure swing adsorption principle in a modular design to dehydrate and purify your compressed air in a simple, efficient and compact package. With digital PLC controls that manage energy consumption and provide dew point monitoring, the D[1|2|3] modular desiccant air dryer provides substantial energy savings under various seasonal conditions for critical applications.

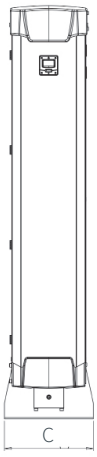
GENERAL CHARACTERISTICS	
Rated capacity (scfm) (1)	828
Regeneration air (scfm) (1)	166
Absorbed power (kW)	0.0360
Power supply (V/Ph/Hz) (2)	100 to 240 /50 or 60
OPERATING LIMITS	
Design operating pressure range (psig) (3)	58 to 145
Design operating temperature range (°F)	35 to 100
Minimum/maximum ambient temperature (°F)	35 to 122
Maximum inlet temperature (°F)	122
DESICCANT CHAMBERS	
Desiccant type	activated alumina
Desiccant cartridges with integrated afterfilter (kit no)	NDK2 6100
CONTROLS/ DESIGN	
Dryer design	PSA
Controller type (PLC)	programmable logic controller
NEMA rating	NEMA 1
AIR CIRCUIT	
Air circuit connections (NPT)	2½”
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
(3) 232 psig optional rating for USA; 210 psig optional rating for Canada

Dimensions & Weight

DIMENSIONS AND WEIGHT	
A (ins)	59.9
B (ins)	53.2
C (ins)	15.7
Weight (lbs)	967





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Features

- C-ETL-US certification
- Includes a built in 1 micron afterfilter.
- Advanced PLC controlled operation
- Energy saving dew point control (optional)
- Built in reliability with a 2-year warranty
- Robust modular compact aluminum design
- Reliable high-performance valves
- Tower equalization for constant flow and pressure.
- Designed for tough industrial settings.
- Integrated compressor synchronization function
- Tower pressure gauges as standard

Advanced PLC Features

- Energy-aware control with PDP switching (Optional sensor)
- Continuous pressure and temperature monitoring
- Clear alarms, event logs, and guided diagnostics
- Intuitive HMI with quick start/stop
- Modbus TCP connectivity
- Industrial protection (up to IP65/NEMA 4, panel-mounted with gasket)
- Drop-in retrofit or factory-fit
- Service-friendly wiring harness
- Audit-ready data logging
- Interoperability with companion equipment

Technical specifications subject to change without notice.
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