



nano D<sup>1|2|3</sup>: Modular Desiccant Air Dryers

# NDL 2130 GFN2

100-240 VAC/50 or 60 Hz – 400 scfm Desiccant Air Dryer

The nano D<sup>1|2|3</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>1|2|3</sup> modular desiccant air dryer provides substantial energy savings under various seasonal conditions for critical applications.



| GENERAL CHARACTERISTICS                                   |                               |
|-----------------------------------------------------------|-------------------------------|
| Rated capacity (scfm) <sup>(1)</sup>                      | 400                           |
| Regeneration air (scfm) <sup>(1)</sup>                    | 80                            |
| Absorbed power (kW)                                       | 0.0360                        |
| Power supply (V/Ph/Hz) <sup>(2)</sup>                     | 100 to 240 /50 or 60          |
| OPERATING LIMITS                                          |                               |
| Design operating pressure range (psig) <sup>(3)</sup>     | 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 2100                     |
| CONTROLS/ DESIGN                                          |                               |
| Dryer design                                              | PSA                           |
| Controller type (PLC)                                     | programmable logic controller |
| NEMA rating                                               | NEMA 1                        |
| AIR CIRCUIT                                               |                               |
| Air circuit connections (NPT)                             | 2"                            |
| ISO CLASS                                                 |                               |
| ISO air quality class (water content)                     | class 2 (-40°F pdp)           |

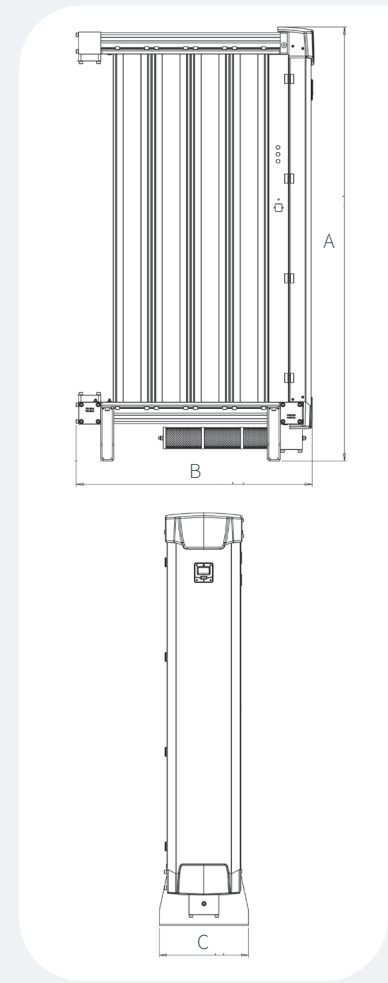
(1) In compliance with CAGI (ADF 100) / NFPA (class H): inlet temperature 100°F, ambient temperature 100°F, inlet pressure 100 psig, pressure dew point -40°F (-94°F optional). For all other conditions, contact support@airandgassolutions.com.

(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)               | 73.7 |
| B (ins)               | 26.9 |
| C (ins)               | 15.7 |
| Weight (lbs)          | 575  |



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## Features

- C-ETL-US certification
- Includes separate GFN M01 and M1 grade filters (shipped loose) and 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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# nano

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