



nano D¹: Modular Low Dew Point Desiccant Air Dryers

NDL 020 GFN2 LDP

3 scfm Desiccant Air Dryer

The nano D¹ 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 D¹ modular low dew point desiccant air dryer provides substantial energy savings under various seasonal conditions for critical applications.



| GENERAL CHARACTERISTICS | |
|---|-------------------------|
| Rated flow (scfm) ⁽¹⁾ | 3 |
| Regeneration air (scfm) | 1 |
| 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 020 LDP |
| CONTROLS / DESIGN | |
| Dryer design | PSA |
| Controller type | PLC |
| NEMA rating | NEMA 1 |
| AIR CIRCUIT | |
| Air circuit connections (PTC) ⁽³⁾ | 3/8" |
| ISO CLASS | |
| ISO air quality class (water content) | class 1 (-94°F pdp) |

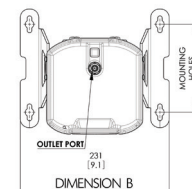
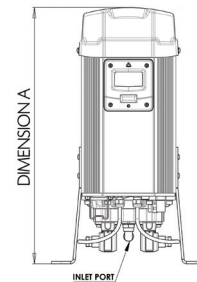
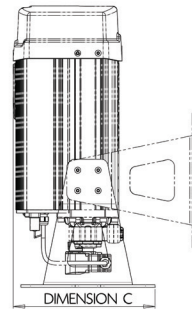
(1) In compliance with CAGI (ADF 100) / NFPA (class H): inlet temperature 100°F, ambient temperature 100°F, inlet pressure 100 psig, pressure dew point -94°F. For all other conditions, contact support@airandgassolutions.com.

(2) Optional 24 VDC

(3) NDL 010 to NDL 050 have push to connect fittings on the inlet and outlet. All other models have NPT(F) threaded connections.

Dimensions & Weight

| DIMENSIONS AND WEIGHT | |
|-----------------------|------|
| A (ins) | 17.3 |
| B (ins) | 10.4 |
| C (ins) | 8.7 |
| Weight (lbs) | 19.8 |



D1: Modular Low Dew Point Desiccant Air Dryers

Features

- C-ETL-US certification
- Includes a separate GFN M1 and M01 grade prefilters with timer drains (shipped loose) 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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nano

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