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

# NDL 110N LDP

## 100-240 VAC/50 or 60 Hz - 74 scfm Desiccant Air Dryer



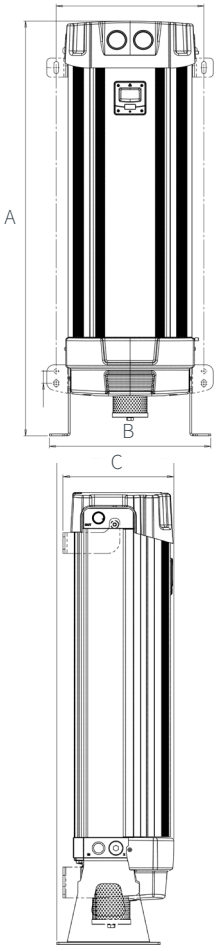
The nano D² low dew point modular low dew point air dryer provides clean dry air for a wide range of industrial applications. These dryers use the pressure swing adsorption principle in a modular design to dehydrate and purify your compressed air in a simple, efficient and compact package. With digital PLC controls that manage energy consumption and provide dew point monitoring, the D² modular low dew point desiccant air dryer provides substantial energy savings under various seasonal conditions for critical applications.

| GENERAL CHARACTERISTICS | |
|---|---|
| Rated capacity (scfm) (1) | 74 |
| Regeneration air (scfm) | 21.2 |
| Absorbed power (kW) | 0.0360 |
| 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) | 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 110 LDP |
| **CONTROLS/ DESIGN** | |
| Dryer design | PSA |
| Controller type (PLC) | programmable logic controller |
| NEMA rating | NEMA 1 |
| **AIR CIRCUIT** | |
| Air circuit connections (NPT) | 1” |
| **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 85°F, ambient temperature 100°F, inlet pressure 100 psig, pressure dew point -94°F. For all other conditions, contact canadasupport@airandgassolutions.com.
(2) Optional 24 V DC

## Dimensions & Weight

| DIMENSIONS AND WEIGHT | |
|---|---|
| A (ins) | 49.1 |
| B (ins) | 16.8 |
| C (ins) | 11.1 |
| Weight (lbs) | 167 |



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## Features

- C-ETL-US certification
- 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 (ES) dew point control (optional)
- Floor or wall mounted (optional wall mounting brackets available) installation
- Reliable high-performance valves
- Tower pressure gauges
- Tower equalization for constant flow and pressure
- Designed for tough industrial settings.
- Integrated compressor synchronization function
- Alarm indication

## 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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