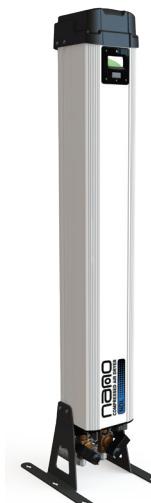


## NDL 050-F-CRN

100-240 VAC/50 or 60 Hz - 20 scfm desiccant air dryer

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



### general characteristics

rated flow (scfm) <sup>(1)</sup>	20
regeneration air (scfm)	4.8
absorbed power (kW)	0.0264
power supply (V/Ph/Hz) <sup>(2)</sup>	100-240 VAC/50 or 60 Hz

### 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	activated alumina
desiccant cartridges with integrated after filter (kit no)	NDK 050

### controls/design

dryer design	PSA
controller type	PLC

### NEMA rating

air circuit	NEMA 1
air circuit connections (NPT)	½"

### ISO class

ISO air quality class (water content)	class 2 (-40°F pdp)
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(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@n-psi.com](mailto:canadasupport@n-psi.com)

(2) optional 24 V DC

## features

- includes a separate F M01 grade pre filter (shipped loose) and 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

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## technical specification

## dimensions and weights

A (ins)	49.3
B (ins)	10.5
C (ins)	11.1
weight (lbs)	57

