nano D[1][2][3]: modular desiccant air dryers

NDL 2120 GF
100-240 VAC/50 or 60 Hz - 276 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)*	276
regeneration air (scfm)*	55.2
absorbed power (kW)	0.0360
power supply (V/Ph/Hz)	100-240 VAC / 50 or 60 Hz [1]

operating limits

design operating pressure range (psig)	58 - 145 [2]
recommended operating temperature range (°F)	35 - 100
minimum/maximum ambient temperature (°F)	35 - 122
maximum inlet temperature (°F)	122

desiccant chambers

desiccant type	activated alumina
desiccant service with integrated after filter (kit no)	NDA 120-2

controls/design

dryer design	PSA
controller type	PLC
NEMA rating	NEMA 1

air circuit

air circuit connections (NPT(F))	2"

ISO class

ISO air quality class (water content)	class 2 (-40°F pdp)

*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@n-psi.com

features

- c-ETL-US certification
- includes a separate F[1.1] M01 grade pre filter (shipped loose) and a built in 1 micron after filter
- advanced PLC controlled operation
- energy saving dew point control (ES option)
- 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

- digital interface
- digital LED display
- outlet air dew point indication (with ES option)
- user programmable operating parameters
- alarm indication

(1) optional pneumatic or 24 V DC
(2) 232 psig **optional** rating for USA; 210 psig **optional** rating for Canada

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nano

technical specification

dimensions & weight	
length (in)	26.9
width (in)	15.7
height (in)	59.9
weight (lbs)	394

experience

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