

## NDL 2130-F

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)*	400
regeneration air (scfm)*	80
absorbed power (kW)	0.0360
power supply (V/Ph/Hz)	100-240 VAC / 50 or 60 Hz

### operating limits

design operating pressure range (psig)	58 - 232 <sup>(1)</sup>
recommended operating temperature range (°F)	50 - 100
minimum/maximum ambient temperature (°F)	50 - 122
maximum inlet temperature (°F)	122

### desiccant chambers

desiccant type	activated alumina
desiccant service with integrated after filter (kit no)	NDA 130-2

### 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

- built in particulate after filter
- advanced PLC controlled operation
- energy saving dew point control (ES option)
- built in reliability with a 2-year warranty
- 232 psig optional rating <sup>(1)</sup>
- 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
- F<sup>1</sup> 0.01 micron pre filter included (shipped loose)

### advanced PLC features

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

(1) NDL 010 to 050 are 232 psig MAWP as standard for USA; 101 psig MAWP for Canada. NDL 060 to 130 are 232 psig MAWP as standard for USA; 217 psig MAWP for Canada. NDL 2110 to 6130 are 145 MAWP as standard. 232 psig option available. All pneumatically controlled dryers are 100 psig MAWP

**nano-purification solutions llc**  
charlotte, north carolina  
united states

**nano-purification solutions**  
st. catharines, ontario  
canada

**nano-purification solutions ltd**  
gateshead, tyne and wear  
united kingdom

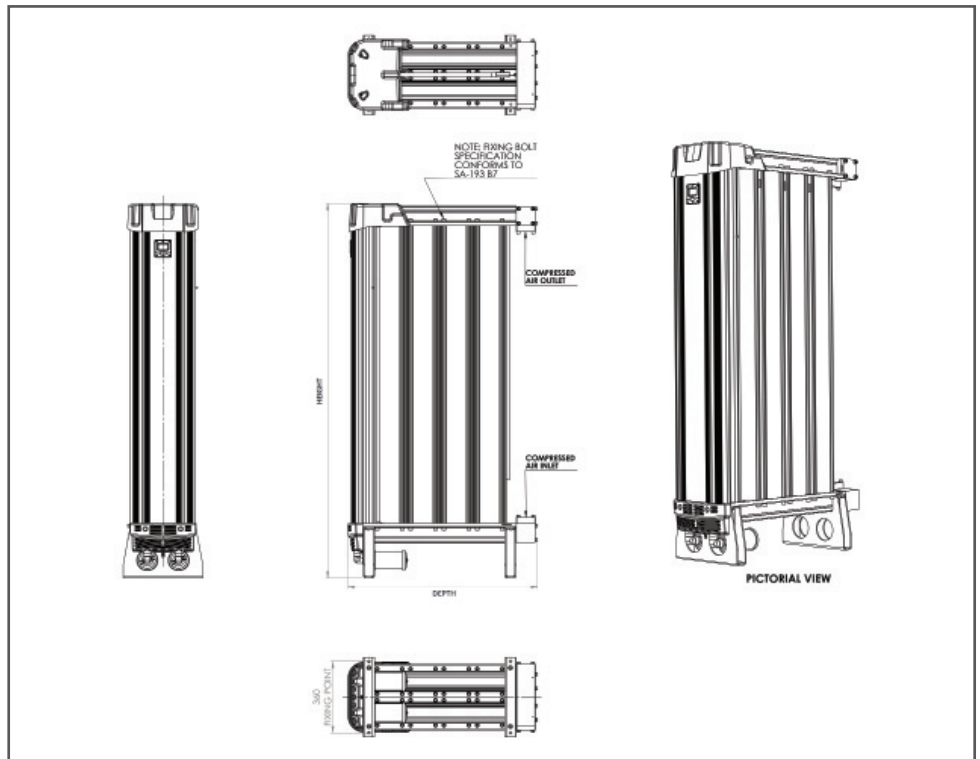
**nano-purification solutions GmbH**  
krefeld, germany

tel: 704.897.2182  
fax: 704.897.2183  
email: support@n-psi.com  
web: www.n-psi.com

## technical specification

### dimensions & weight

length ins (mm)	15.7 (398)
depth ins (mm)	24.3 (619)
height ins (mm)	74.3 (1888)
weight lbs (kgs)	575 (261)



experience