NDL 010-F-CRN

100-240 VAC/50 or 60 Hz - 3 scfm desiccant air dryer

The nano D[1] 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] modular desiccant air dryer provides substantial energy savings under various seasonal conditions for critical applications.

general characteristics	
rated flow (scfm) (1)	3
regeneration air (scfm)	0.6
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)	34 to 100
minimum/maximum ambient temperature (°F)	34 to 122
maximum inlet temperature (°F)	122
desiccant chambers	
desiccant type	13X molecular sieve
desiccant cartridges with integrated after filter (kit no)	NDK 010
controls/design	
dryer design	PSA
controller type	PLC
NEMA rating	NEMA 1
air circuit	
air circuit connections (NPT)	½"
ISO class	
ISO air quality class (water content)	class 2 (-40°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 -40°F (-94°F optional). For all other conditions, contact canadasupport@n-psi.com

(2) optional 24 V DC

features

- includes a separate F[1] 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

nano-purification solutions
charlotte, north carolina
united states

nano-purification solutions
new bethlehem, pennsylvania
united states

nano-purification solutions
st. catharines, ontario
canada

nano-purification solutions
gateshead, tyne and wear
united kingdom

nano-purification solutions
erkelenz, germany

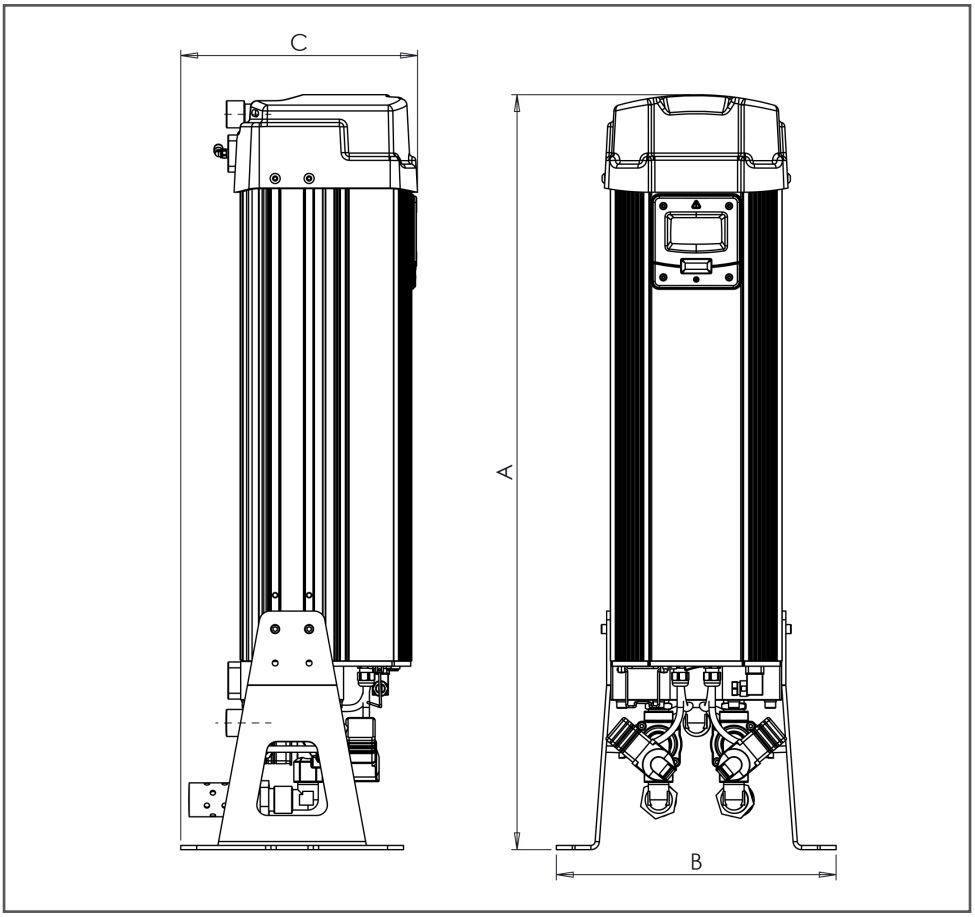
tel: 704.897.2182
fax: 704.897.2183
email: support@n-psi.com
web: www.n-psi.com

nano

experience

technical specification

dimensions and weights	
A (ins)	19.8
B (ins)	10.5
C (ins)	8.8
weight (lbs)	23



MEMBER OF CAGI Compressed Air & Gas Institute

publication ref. n-psi-D1-NDL010FCRN-00-us