RTC 0010-F

115/1/60 - 10 scfm refrigerated air dryer

The nano R² range of refrigerated thermal mass cycling dryers are specifically designed for the unique demands of high temperature compressed air applications. These are the optimum choice for fluctuating air flows and harsh environments.

general characteristics	
rated capacity (scfm)*	10
absorbed power (kW)	0.23
full load amps (A)	3.80
power supply (V/Ph/Hz)	115/1/60
operating limits	
design operating pressure range (psig)	0 - 232
maximum refrigerant working pressure (psig)	247
minimum/maximum ambient temperature (°F)	34 - 122
maximum inlet temperature (°F)	158
refrigerant gas/circuit	
refrigerant type	R134a
refrigerant charge per circuit (lbs)	0.55
compressors	
compressor type	piston
compressor quantity	1
independent gas circuit	1
fans	
fan type	axial
fan quantity	1
air circuit	
air circuit connections (NPT)	½"
ISO class	
ISO air quality class (water content)	class 6

**rated flow capacity: at 125 psig & 140°F inlet conditions, 95°F ambient, and a 50°F outlet pressure dew point. For all other conditions, please contact support@n-psi for sizing*

features

- nano F1 1 micron pre filter included as standard
- patented dual transfer thermal heat exchanger
- advanced electronic controller
- built in reliability with a 1 year warranty
- 232 psig standard rating for the complete range
- simple refrigeration circuit with no hot gas bypass valve
- wide air paths – trouble free anti-clogging heat exchanger
- self-adjusting and controlling
- environmentally friendly refrigerant and non-toxic "dry" silica mass
- quick easy startup with no pre-start up cooling programming or calibration
- designed for tough Industrial settings

advanced microprocessor features

- 3 button digital interface
- digital LED display
- outlet air dew point indication
- user programmable operating parameters
- condensate drain control and test function

Experience. Customer. Service.

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

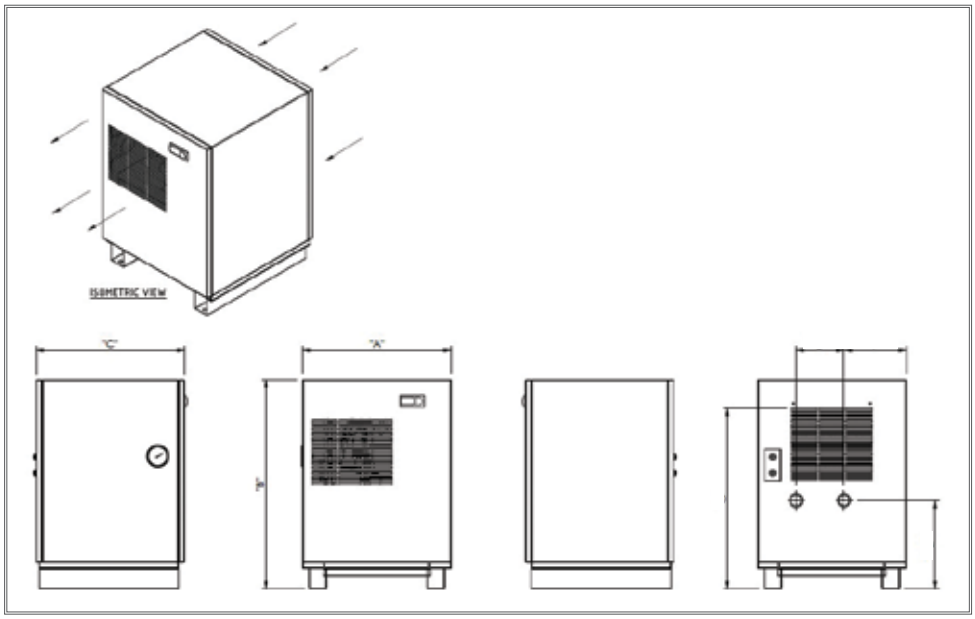
www.n-psi.com

nano

experience

technical specification

dimensions & weight	
length (ins)	16.9
depth (ins)	16.0
height (ins)	22.2
weight (lbs)	82



MEMBER OF CAGI Compressed Air & Gas Institute

copyright PURIFICATION SOLUTIONS LLC
publication reference n-psi-R2-RTC0010-00-us