

RNC 0045-F

115/1/60 - 45 scfm refrigerated air dryer

nano R2 RNC high inlet temperature refrigerated air dryers are designed for the unique demands of high temperature compressed air applications. They feature a low pressure drop stainless steel heat exchanger, stainless steel moisture separator, environmentally friendly refrigerants, TXV for precise control and a simple yet powerful electronic controller. RNC offers piece of mind that downstream equipment will be protected from damaging moisture contamination.



general characteristics

rated capacity (scfm)*	45
absorbed power (kW)	0.49
full load amps (A)	8.20
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)	0.77

compressors

compressor type	piston
compressor quantity	1
independent gas circuit	1

fans

fan type	axial
fan quantity	1

air circuit

air circuit connections (NPT)	¾"
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ISO class

ISO air quality class (water content)	class 6
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*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
- stainless steel heat exchanger for maximum durability and corrosion resistance
- CAREL advanced electronic controller
- oversized condenser for high ambient temperatures
- robust refrigeration circuit with fan pressure, high refrigerant pressure and low suction pressure switches
- environmentally friendly R134a and R407C refrigerant
- supplied with 6' power cord for plug and play operation
- timed solenoid drain for reliable condensate removal
- refrigerant gauge for simple diagnostics
- powder coated aluminum panels
- TXV ensures stable dew point performance under varying loads
- stainless steel inlet and outlet connections
- c-UL listed components
- built in reliability with a 1 year warranty with pre-filtration and non-corrosive piping installed

advanced microprocessor features

- 3 button digital interface
- dew point display for visual monitoring
- user programmable operating parameters
- status indication for drain, fan and compressor
- drain test and adjustment



Experience. Customer. Service.

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technical specification

dimensions & weight

length (ins)	15.0
depth (ins)	19.7
height (ins)	18.9
weight (lbs)	93

