

high temperature direct expansion dryers



dehydration & filtration for high temperature applications in a direct expansion design

The nano R² range of RNC refrigerated direct expansion air dryers are specifically designed for the unique demands of high temperature compressed air applications. With seven models from 10 to 110 cfm and a 1 micron coalescing inlet filter provided as standard, the nano RNC dryers are the optimum choice for harsh environments.

nano's RNC range allows customers running a consistent volume of compressed air the ability to achieve excellent dew point performance and save energy.

For the optimum in clean compressed air, the RNC dryers can also be supplied with a 0.01 micron after filter, providing comprehensive moisture and particulate removal in a single, cost effective and reliable package.



features and benefits

- stainless steel heat exchanger with a patented design, corrosion resistant construction and integrated moisture separator
- refrigerant gauge located above the controller for ease of troubleshooting
- CAREL microprocessor including dew point, high and low pressure and drain operation
- powder coated aluminum panels are corrosion resistant
- easy installation and start-up
- environmentally friendly R134a refrigerant is both efficient and safe
- automatic expansion valve ensures stable dew point performance even in changing ambient conditions
- fully adjustable and extremely reliable timer drain as standard
- oversized condenser for high ambient temperature

applications include:

manufacturing

paint & coatings

machine tools

blasting

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

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

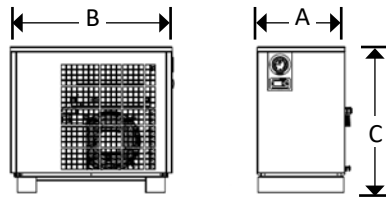
technical specifications

model	inlet & outlet NPT	rated flow ⁽¹⁾		power supply (1 phase, 60 Hz)		dimensions (inches)			approx. weight lbs	inlet filter (included)
		scfm	Nm ³ /h	115 V	230 V	A	B	C		
RNC 0010-F	½"	10	16	•		15	18	17	62	NF 0050 M1
RNC 0015-F	½"	15	24	•		15	18	17	70	NF 0050 M1
RNC 0025-F	½"	25	40	•		15	18	17	77	NF 0050 M1
RNC 0045-F	¾"	45	72	•		15	20	19	92	NF 0085 M1
RNC 0075-F	1"	75	120	•		16	29	26	143	NF 0090 M1
RNC 0090-F	1 ½"	90	144	•		16	29	26	152	NF 0290 M1
RNC 0110-F	1 ½"	110	177		•	16	34	30	196	NF 0290 M1

specifications

inlet filter (included)	M1 (1 micron)
condensate drain (included)	automatic timed solenoid

- (1) 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
- maximum inlet temperature limited to 158°F
 - 115 Volt models include a 6-foot power cord and plug
 - M01 0.01 micron particulate after filter available as an option



RNC 0010 to 0110-F