high temperature thermal mass cycling dryers

dehydration & filtration for high temperature applications in a thermal mass cycling design

The nano R² range of RTC refrigerated thermal mass cycling air dryers are specifically designed for the unique demands of high temperature compressed air applications. With seven models from 10 to 125 cfm and a 1 micron coalescing inlet filter provided as standard, the nano RTC dryers are the optimum choice for fluctuating air flows and harsh environments.

nano's innovative dual transfer technology (DTT) monitors the heat load on the dryer which changes constantly with fluctuations in air flow and temperature. As conditions fluctuate, the dryer uses its internal thermal mass to consistently cool and dry the air, switching the refrigeration circuit on only when required.

dual transfer technology

energy saving design

In most applications, air flow and ambient temperatures vary over time and rarely - if ever - reach the dryer's maximum rated heat load. Traditional dryers run at maximum power all the time regardless of the actual demand. DTT continuously matches power consumption to the actual heat load providing significant energy savings.

Perfect for small, non-aftercooled piston compressors or any application with a fluctuating air demand, RTC provides unparalleled reliability, performance and energy savings.

For the optimum in clean compressed air, the RTC 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.

Experience. Customer. Service.

applications include:

- manufacturing
- paint & coatings
- machine tools
- blasting

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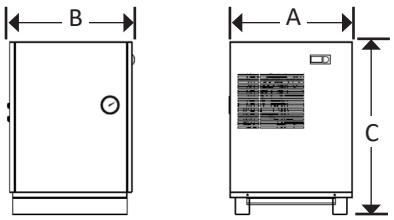
technical specifications

model	inlet & outlet	rated flow (1)		power supply (1 phase, 60 Hz)		dimensions (inches)			approx. weight	inlet filter (included)
	NPT	scfm	Nm³/h	115 V	230 V	A	B	C	lbs	
RTC 0010-F	½"	10	16	•		17	16	22	82	NF 0050 M1
RTC 0015-F	¾"	15	24	•		18	18	26	106	NF 0085 M1
RTC 0025-F	¾"	25	40	•		18	18	26	112	NF 0085 M1
RTC 0035-F	1"	35	56	•		23	21	30	196	NF 0090 M1
RTC 0050-F	1"	50	80	•		23	21	30	200	NF 0090 M1
RTC 0075-F	1 ½"	75	120	•		29	24	36	290	NF 0290 M1
RTC 0125-F	2"	125	201		•	29	30	39	385	NF 0450 M1

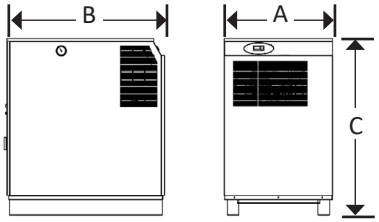
specifications	
inlet filter (included)	M1 (1 micron)
condensate drain (included)	automatic timed solenoid

(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*



RTC 0010 to 0025-F



RTC 0035 to 0125-F

publication ref. n-psi-RTC-02-US