

# high temperature direct expansion dryers

## FEATURES

- specifically designed oversized condenser to provide clean, dry compressed air in unique demands of high temperature applications
- 1 micron coalescing inlet filter provided as standard; 0.01 micron particulate after filter optional
- allows customers running a consistent volume of compressed air the ability to achieve excellent dew point performance and save energy
- corrosion resistant powder coated galvanized steel panels for harsh environments
- easy installation and start-up
- automatic expansion valve ensures stable dew point performance even in changing ambient conditions
- fully adjustable and extremely reliable timer drain as standard
- applications include manufacturing, paint and coatings, machine tools and blasting



### SS heat exchanger

patented design, corrosion resistant construction and integrated moisture separator

Three cylindrical stainless steel heat exchangers of varying sizes, shown against a white background.

### the data you need

easy to read refrigerant gauge and CAREL® microprocessor gives you the information you need, when you need it

A close-up of the control panel on the dryer, showing a blue-rimmed gauge with a needle and a digital display showing '33' in red. Below the display are several buttons and indicators.

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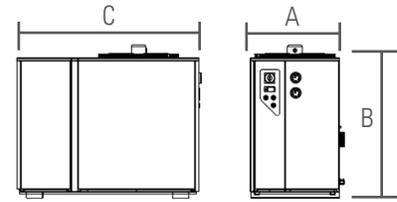
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## SPECIFICATIONS

| dryer model | inlet & outlet |      | rated flow <sup>(1)</sup> |      | absorbed power <sup>(2)</sup> |    | dimensions (inches) |     |       | approx. weight |  | power supply (V/Ph/60Hz) |            | pre filter (included) |
|-------------|----------------|------|---------------------------|------|-------------------------------|----|---------------------|-----|-------|----------------|--|--------------------------|------------|-----------------------|
|             | NPT            | scfm | Nm <sup>3</sup> /h        | kW   | A                             | B  | C                   | lbs | 115/1 | 230/1          |  |                          |            |                       |
| RNC 0010-F  | ½"             | 10   | 16                        | 0.23 | 15                            | 17 | 18                  | 62  | •     |                |  |                          | NF 0050 M1 |                       |
| RNC 0015-F  | ½"             | 15   | 24                        | 0.24 | 15                            | 17 | 18                  | 70  | •     |                |  |                          | NF 0050 M1 |                       |
| RNC 0025-F  | ½"             | 25   | 40                        | 0.25 | 15                            | 17 | 18                  | 77  | •     |                |  |                          | NF 0050 M1 |                       |
| RNC 0045-F  | ¾"             | 45   | 72                        | 0.49 | 15                            | 19 | 20                  | 92  | •     |                |  |                          | NF 0085 M1 |                       |
| RNC 0075-F  | 1"             | 75   | 120                       | 0.92 | 16                            | 26 | 29                  | 143 | •     |                |  |                          | NF 0090 M1 |                       |
| RNC 0090-F  | 1 ½"           | 90   | 144                       | 0.96 | 16                            | 26 | 29                  | 152 | •     |                |  |                          | NF 0290 M1 |                       |
| RNC 0110-F  | 1 ½"           | 110  | 177                       | 0.94 | 16                            | 30 | 34                  | 196 |       | •              |  |                          | NF 0290 M1 |                       |

| specifications                  |  |
|---------------------------------|--|
| design operating pressure range | 0 to 232 psig  |
| maximum inlet temperature       | 158°F  |
| maximum ambient temperature     | 110°F to 122°F depending on refrigerant (contact nano support for details) |
| inlet filter (included)         | M1 (1 micron)  |
| condensate drain (included)     | automatic timed solenoid   |



RNC 0010-F to RNC 0110-F

- (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.com for sizing assistance
- (2) nominal absorbed power at rated operating conditions using 115/1/60 and 230/1/60 power supply (as applicable). For absorbed power at other voltages or conditions, contact support@n-psi.com
- (3) 115 volt models include a 6-foot power cord and plug
- (4) grade M01 (0.01 micron) after filter available as an option
- (5) Intertek UL/CSA 22.2 approval (models RNC 0010 to RNC 0090)
- (6) technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182