

# DXR 0010 NA

115/1/60 - 10 scfm refrigerated air dryer

The nano R<sup>4</sup> direct expansion refrigerated air dryer offers a reliable, cost effective and simple solution to those who need quality dry compressed air for their manufacturing processes. To avoid condensation, and therefore all chance of equipment and end-product corrosion or damage, compressed air needs to be dry — exactly what our range of R<sup>4</sup> dryers is designed to do.



| general characteristics                     |               |
|---|---------------|
| rated capacity (scfm) <sup>(1)</sup>        | 10            |
| absorbed power (kW)                         | 0.19          |
| full load amps (A)                          | 2.4           |
| power supply (V/Ph/Hz)                      | 115/1/60      |
| pressure drop over dryer (psid)             | 1.45          |
| operating limits                            |               |
| design operating pressure range (psig)      | 0 to 232      |
| maximum refrigerant working pressure (psig) | 246.5         |
| minimum/maximum ambient temperature (°F)    | 34 to 122     |
| maximum inlet temperature (°F)              | 140           |
| refrigerant gas/circuit                     |               |
| refrigerant type                            | R513A         |
| refrigerant charge per circuit (lbs)        | 0.35          |
| compressors                                 |               |
| compressor type                             | piston        |
| compressor quantity                         | 1             |
| independent gas circuit                     | 1             |
| fans  |               |
| fan type                                    | axial         |
| fan quantity                                | 1             |
| cooling air flow (scfm)                     | 150           |
| air circuit                                 |               |
| air circuit connections (NPT(M))            | ½"            |
| ISO class                                   |               |
| ISO air quality class (water content)       | class 4 and 5 |

(1) rated flow capacity: conditions for rating dryers are in accordance with ISO 7183 (Option A2). Compressed air at dryer inlet: 100 psig (7 bar) and 100°F (38°C); ambient air temperature: 100°F (38°C); operating on 60Hz power supply. For all other conditions, contact support@n-psi.com

## scope of supply

### mechanical components

- combined air-to-air and air-to-refrigerant heat exchanger design
- zero air loss condensate drain
- integrated water separator
- single electrical connection
- rotary compressor
- hot gas bypass valve
- fully insulated heat exchanger

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R4: direct expansion refrigerated air dryers

controls and monitoring

- user friendly interface
- digital pressure dew point display
- includes service warnings and reminders
- remote alarm contact
- automatic power on after restart
- provides controls for all system components

technical specification

dimensions & weight

|                  |          |
|------------------|----------|
| length in (mm)   | 14 (350) |
| depth in (mm)    | 20 (493) |
| height in (mm)   | 18 (450) |
| weight lbs (kgs) | 42 (19)  |

