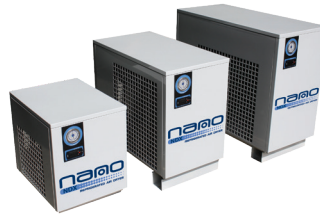


NDX 0045

115/1/60 - 45 scfm refrigerated air dryer

nano R4 refrigerated air dryers are designed for reliability, performance and low cost of ownership. 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. The R4 offers piece of mind that downstream equipment will be protected from damaging moisture contamination.



general characteristics

| | |
|------------------------|----------|
| rated capacity (scfm)* | 45 |
| absorbed power (kW) | 0.25 |
| full load amps (A) | 4.00 |
| 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) | 0.55 |

compressors

| | |
|-------------------------|--------|
| compressor type | piston |
| compressor quantity | 1 |
| independent gas circuit | 1 |

fans

| | |
|--------------|-------|
| fan type | axial |
| fan quantity | 1 |

air circuit

| | |
|-------------------------------|---|
| air circuit connections (NPT) | ½ |
|-------------------------------|---|

ISO class

| | |
|---------------------------------------|---------|
| ISO air quality class (water content) | class 4 |
|---------------------------------------|---------|

**rated flow capacity: conditions for rating dryers are in accordance with ISO7183 (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*

features

- 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 2 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) | 17.7 |
| height (ins) | 16.9 |
| weight (lbs) | 77 |

