

## NDL 050 GF

100-240 VAC/50 or 60 Hz - 20 scfm desiccant air dryer

The nano D<sup>1</sup> modular air dryer provides clean dry air for a wide range of industrial applications. These dryers use the pressure swing adsorption principle in a modular design to dehydrate and purify your compressed air in a simple, efficient and compact package. With digital PLC controls that manage energy consumption and provide dew point monitoring, the D<sup>1</sup> modular desiccant air dryer provides substantial energy savings under various seasonal conditions for critical applications.



| general characteristics                                    |                         |
|------------------------------------------------------------|-------------------------|
| rated flow (scfm) <sup>(1)</sup>                           | 20                      |
| regeneration air (scfm)                                    | 4.8                     |
| absorbed power (kW)                                        | 0.0264                  |
| power supply (V/Ph/Hz) <sup>(2)</sup>                      | 100-240 VAC/50 or 60 Hz |
| operating limits                                           |                         |
| design operating pressure range (psig)                     | 58 to 232               |
| design operating temperature range (°F)                    | 35 to 100               |
| minimum/maximum ambient temperature (°F)                   | 35 to 122               |
| maximum inlet temperature (°F)                             | 122                     |
| desiccant chambers                                         |                         |
| desiccant type                                             | activated alumina       |
| desiccant cartridges with integrated after filter (kit no) | NDK 050                 |
| controls/design                                            |                         |
| dryer design                                               | PSA                     |
| controller type                                            | PLC                     |
| NEMA rating                                                | NEMA 1                  |
| air circuit                                                |                         |
| air circuit connections (PTC) <sup>(3)</sup>               | ½"                      |
| ISO class                                                  |                         |
| ISO air quality class (water content)                      | class 2 (-40°F pdp)     |

(1) in compliance with CAGI (ADF 100) / NFPA (class H): inlet temperature 100°F, ambient temperature 100°F, inlet pressure 100 psig, pressure dew point -40°F (-94°F optional). For all other conditions, contact support@n-psi.com

(2) optional 24 V DC

(3) NDL 010 to NDL 050 have push to connect fittings on the inlet and outlet. All other models have NPT(F) threaded connections

## features

- c-ETL-US certification
- includes a separate M01 grade pre filter (shipped loose) and a built in 1 micron after filter
- patented combined filter & desiccant cartridge; no after filter required
- advanced PLC controlled operation
- built in reliability with a 2-year warranty
- energy saving dew point control (optional)
- floor or wall mounted installation
- reliable high performance valves
- tower equalization for constant flow and pressure
- designed for tough industrial settings
- integrated compressor synchronization function
- advanced PLC features: digital interface, digital LED display, outlet air dew point indication (with ES option)
- user programmable operating parameters
- alarm indication

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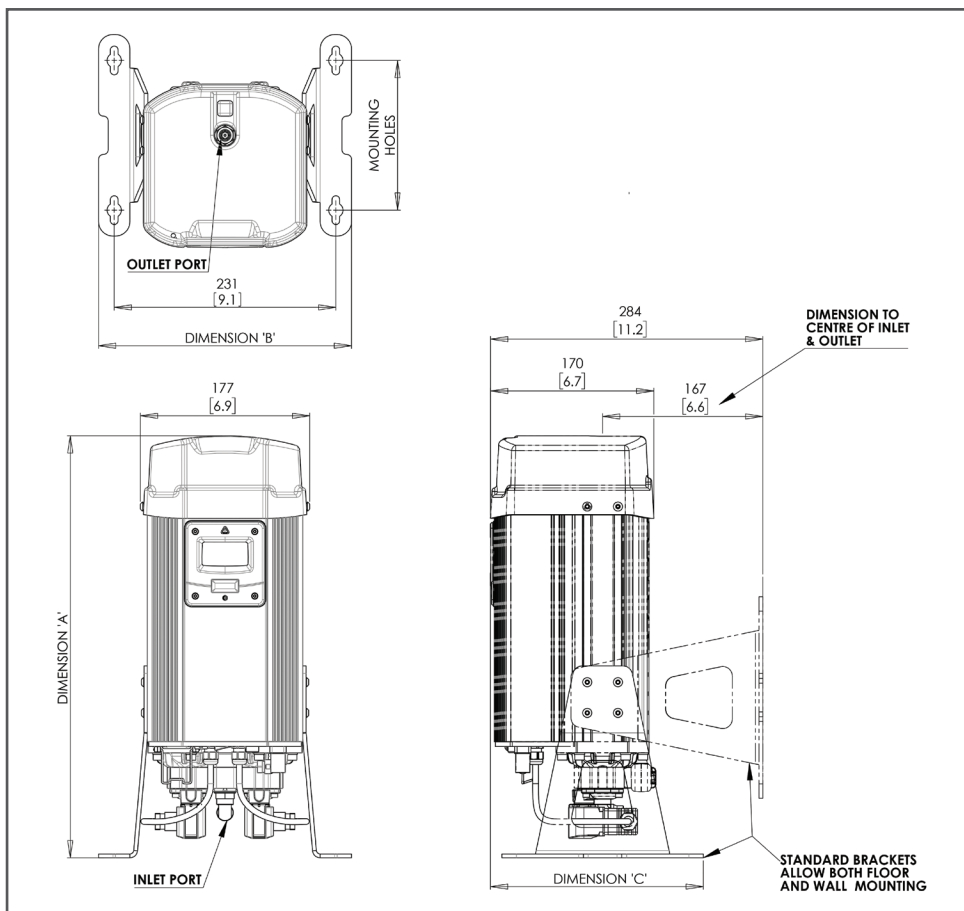
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## technical specification

### dimensions and weights

|              |      |
|--------------|------|
| A (in)       | 46.8 |
| B (in)       | 10.4 |
| C (in)       | 13.0 |
| weight (lbs) | 56.2 |



experience