

# BPA 350

460VAC/60Hz - 350 scfm desiccant air dryer

The nano D<sup>5</sup> twin tower blower purge desiccant air dryer provides clean dry air for a wide range of industrial applications. These dryers use a blower and an external heater to provide heated ambient air for regeneration. With purge air usage less than 2% (averaged over cycle) and a zero purge option, these dryers offer the lowest cost of operation for most applications.



### general characteristics

|                          |                 |
|--------------------------|-----------------|
| rated capacity (scfm)*   | 350             |
| regeneration air (scfm)* | 17.5            |
| absorbed power (kW)      | 8.2             |
| power supply (V/Ph/Hz)   | 460 VAC / 60 Hz |

### operating limits

|  |                |
|--|----------------|
| minimum/design/maximum operating pressure range (psig) | 80 / 100 / 150 |
| minimum/design/maximum ambient temperature range (°F)  | 38 / 100 / 120 |
| minimum/design/maximum inlet temperature (°F)          | 38 / 100 / 120 |

### desiccant chambers

|                        |                   |
|------------------------|-------------------|
| desiccant type         | activated alumina |
| desiccant weight (lbs) | 500               |

### controls/design

|                 |  |
|-----------------|--|
| dryer design    | PSA externally heated blower purge dryer |
| controller type | PLC                                      |
| NEMA rating     | NEMA 4                                   |

### heater

|                     |   |
|---------------------|---|
| absorbed power (kW) | 6 |
|---------------------|---|

### blower

|                     |   |
|---------------------|---|
| absorbed power (hp) | 3 |
|---------------------|---|

### air circuit

|                                  |    |
|----------------------------------|----|
| air circuit connections (NPT(F)) | 2" |
|----------------------------------|----|

### ISO class

|                                       |                     |
|---------------------------------------|---------------------|
| ISO air quality class (water content) | class 2 (-40°F pdp) |
|---------------------------------------|---------------------|

\*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. For all other conditions, contact support@n-psi.com

### features

- UL/cUL compliant
- ASME coded pressure vessels
- visual moisture indicator
- integral energy saving outlet dew point control (optional)
- pre- and after filters recommended
- variety of options including bypass and pre-packaged systems
- high-performance butterfly valves made in USA

### electrical features

- PLC controller
- fiberglass cUL control panel for NEMA 4X protection class
- ETL approved electrical panel
- four-hour timed NEMA cycle with thermocouple heater override to prevent overheating in periods of low demand
- two contactors to prevent runaway heater

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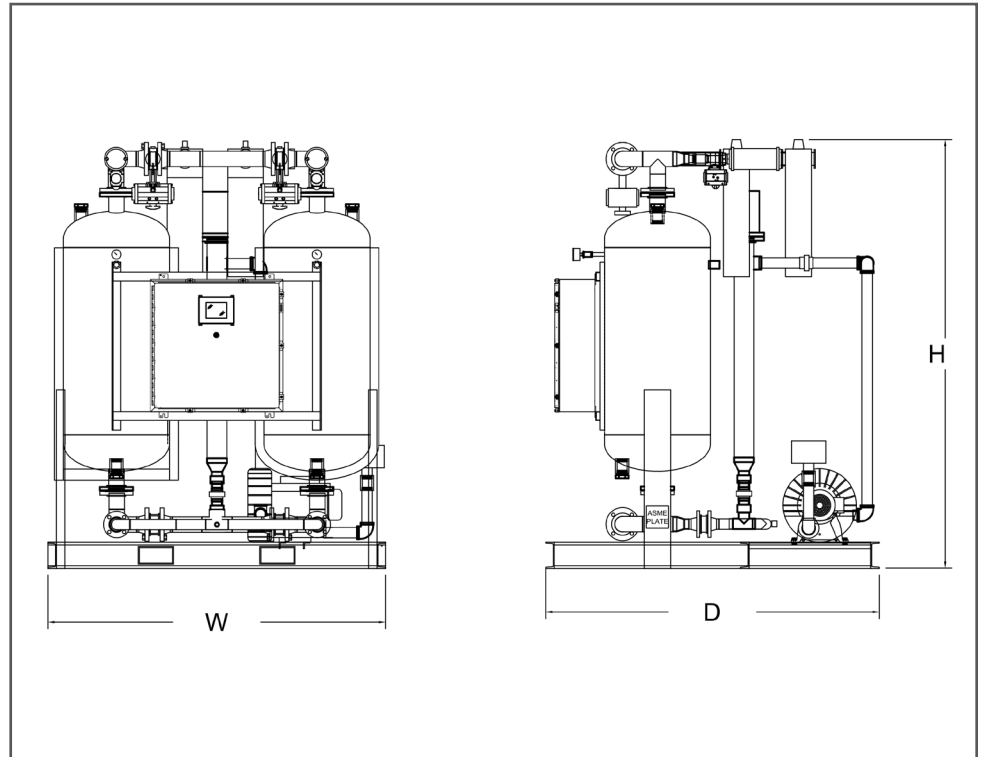
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# technical specification

dimensions & weight

|                   |               |
|-------------------|---------------|
| length in (mm)    | 44 (1117.6)   |
| depth in (mm)     | 56 (1422.4)   |
| height in (mm)    | 78.9 (2004.1) |
| weight lbs (kgs)* | 1850 (839)    |

\*does not include desiccant



experience