



# Heatless, Regenerative Air Dryer

## AHLD Series

1,500 scfm

|                     |                                   |                             |
|---------------------|-----------------------------------|-----------------------------|
| Design Conditions   | Flow Rate                         | 1,500 scfm                  |
|                     | Pressure                          | 100 psig                    |
|                     | Outlet Pressure Dew point         | -40° F                      |
|                     | Temperature                       | 100° F                      |
|                     | Maximum Pressure                  | 150 psig                    |
| Connections         | Compressed Air Inlet/Outlet       | 3" FLG                      |
|                     | Electrical                        | NEMA 4                      |
| Utilities           | Voltage                           | 115-1-60                    |
|                     | FLA                               | 1 amp                       |
|                     | Compressed Air Purge              | 226 scfm                    |
| Drying Cycle        | Cycle Time                        | 10 Minute NEMA Cycle        |
|                     | Drying Flow                       | Upflow                      |
|                     | Regeneration Flow                 | Downflow                    |
| Desiccant           | Type                              | Activated Alumina           |
|                     | Size                              | 3/16"                       |
|                     | Quantity                          | 700 lbs / vessel            |
|                     | Flow Diffuser / Desiccant Support | Stainless Steel Mesh Screen |
| Weight & Dimensions | Shipping Weight                   | 4,600 lbs.                  |
|                     | Dimensions (Less Filter Package)  | 99" H x 70" W x 40" D       |

### Standard Features

- Energy Management System
- LED tower operation lights
- ASME Section VIII Division 1, "U" stamped pressure vessel
- Desiccant fill and drain port with removable desiccant support screens
- Mounted pre-filter and after filter with drain
- LED tower operation indicator
- NEMA 4 steel electrical enclosure
- Aircel Programmable Controller (APC) displaying dryer operation status, alarms, and energy savings

### Optional Features

- All pneumatic control package (no electricity required)
- Various configurations of pre-piped filters and bypass valve packages
- Failure to switch alarm using pressure transducers (monitors for correct vessel pressure during dryer operation, energizes alarm if incorrect)
- Optional communications: Profibus-DP, AS-I, CANpen, DeviceNet, and Ethernet
- High pressure dryer system up to 7,000 psig
- NEMA 7 explosion-proof electrical classification (class 1, division 2, group C and D)
- Outlet dew point monitoring