



Heatless, Regenerative Air Dryer

AHLD Series

450 scfm

Design Conditions	Flow Rate	450 scfm
	Pressure	100 psig
	Outlet Pressure Dew point	-40° F
	Temperature	100° F
	Maximum Pressure	200 psig
Connections	Compressed Air Inlet/Outlet	2" NPT
	Electrical	NEMA 4
Utilities	Voltage	115-1-60
	FLA	1 amp
	Compressed Air Purge	68 scfm
Drying Cycle	Cycle Time	10 Minute NEMA Cycle
	Drying Flow	Upflow
	Regeneration Flow	Downflow
Desiccant	Type	Activated Alumina
	Size	3/16"
	Quantity	228.6 lbs / vessel
	Flow Diffuser / Desiccant Support	Stainless Steel Mesh Screen
Weight & Dimensions	Shipping Weight	1,140 lbs.
	Dimensions (Less Filter Package)	87" H x 46" W x 30" 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