Rental Design Heatless Compressed Air Dryer
With Filters Mounted

Dryer Model	RDH3000
Flow (CFM) @ 100º F Inlet Temperature	3000 CFM @ 100 PSIG 5000 CFM @ 350 PSIG
Maximum inlet temperature	120 Degree F
Minimum pressure	70 PSIG
Maximum pressure	350 PSIG
Pressure Dew Point	-40 or –100º F
Voltage	110/1/60 AC
Dimensions:	90”H x 87”W x 116”L
Weight	12,000 LB
Inlet & Outlet Connections	2@ 3” Boss Spuds Inlet 2@ 3” Boss Spuds Outlet

Filtration

- 1st Prefilter Coalescer type for removal of liquid water, oil, and solids to 1 micron (1.0 ppm w/w maximum remaining oil content)
- 2nd Prefilter Aerolescer type for removal of oil aerosols and solids to .01 micron (.01 ppm w/w maximum remaining oil content)
  Oversized and staged to increase particulate loading capacity.
  Drains on Prefilter housings are float type. Actuated air powered piston for positive opening and closing of discharge port.
- Afterfilter 1 micron
- Pilot air filter to provide clean air to control system.

Electrical

- Control Box NEMA 4X
- Electrical input 120-1-60 @ 1 amp

Instrumentation
Panel Mounted

- On/Off Switch
- Hour Meter
- Switching failure alarm

Local Mounted

- Left Tower Pressure Gauge
- Right Tower Pressure Gauge
- Purge Flow Indicator
- Color Change Moisture Indicator
- Prefilter Differential Gauges
- Afterfilter Differential Gauge

Drying Vessels

- ASME Section VIII DIV. 1 Stamped
- ASME Code Stamped Pressure Relief (One per Vessel)

Frame and Construction

- Controls, panel and components recessed in frame
- Tubing is nylon, fittings are Parker press in type
- Lifting lugs
- Fork lift access from all four sides
- Marine Coating, Epoxy Primer with Acrolon 218 Top Coat

Labels and Markings

- Inlet Connection
- Outlet Connection
- Drain Connection
- Operating Instructions with Purge Settings

Documentation

- Instruction and Parts Manual