HEATLESS DESICCANT COMPRESSED AIR DRYER

Dryer Model	RD5400
Flow (CFM) @ 100º F Inlet Temperature Dew Point -40º F or -100º F	5400 CFM @ 100 PSIG
Dew Point -40º F Dew Point -100º F	Purge Rate 14% Purge Rate 15%
Maximum inlet temperature	120 Degree F
Minimum pressure	70 PSIG
Maximum pressure	150 PSIG
Voltage	110/1/60 AC
Dimensions:	81"H x 91"W x 153"L
Weight	16,000 LB
Inlet & Outlet Connections	6" ANSI Flange, Or option of: 4@ 3" Boss Female Spuds on each Inlet & Outlet connection

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
- Control air is dried and filtered
- Electrical input 120-1-60 @ 1 amp
- Controls indicate dryer operating mode
- Adjustable dew point -40 or -100 F

Instrumentation

Panel Mounted

- On/Off Switch
- Tower status lights
  Left tower drying, left tower regenerating
  Right tower drying, right tower regenerating
- Cycle Mode light for -40 or -100 degree F setting
- 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
- Paint Color Optional

Labels and Markings

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

Documentation

- Instruction and Parts Manual