

# Automatic Dehydrator with IP Remote Interface



## Automatic Pressurization Dehydrator with IP Remote Interface

- Reliable Pressurization of elliptical waveguide, coaxial cable and rigid transmission line systems
- Alarm Notifications for Low Pressure, High Pressure, Humidity, and Run Time
- Monitoring via Ethernet Web UI, SNMP, and Remote Samples

### GENERAL SPECIFICATIONS

<i>Max System Volume</i>	123 ft <sup>3</sup>
<i>Output Capacity @ 60 Hz</i>	0.2 SCFM
<i>Output Dew Point</i>	Ambient dew point greater than 10°C (50°F): 50 (90) dew point reduction minimum Ambient dew point less than 10°C (50°F): -40 (-40) dew point minimum
<i>High Pressure Safety Relief Valve</i>	15 psig
<i>Output Fitting</i>	Quick-Connect 3/8" OD Plastic Tube
<i>Operating Voltage</i>	Dehydrator 120 VAC, Controller 5 VDC
<i>Maximum Continuous Operation Time, Active</i>	4 Hours

### ELECTRICAL SPECIFICATIONS

<i>Operating Voltage</i>	Dehydrator 120 VAC, Controller 5 VDC
<i>Frequency</i>	47 – 63 Hz
<i>Max. Standby Current</i>	0.5 A
<i>Max. Active Current</i>	3.0 A
<i>Max. Active Power Consumption</i>	320.0 W
<i>Max. Apparent Power Consumption</i>	380 VA
<i>Power Factor Correction</i>	0.8 typical
<i>Electrical Feed Circuit Configuration</i>	Single phase, 3-Conductor (Phase/Neutral/Ground)
<i>Electrical Connector Type</i>	Dehydrator IEC 320 Type C 14, Controller Micro USB 5 VDC

### MECHANICAL SPECIFICATIONS

<i>Dimensions</i>	9.5" x 13.5" x 14"
<i>Net Weight</i>	28 lbs.

## ENVIRONMENTAL

<i>Ambient Temperature Range</i>	0 to 40 °C (32 to 104 °F)
<i>Ambient Humidity Range</i>	5% – 85%, non-condensing
<i>Noise</i>	60 dBA
<i>Max. Operational Altitude @ 5 psig</i>	6500 ft.
<i>Max. Operational Altitude @ 10 psig</i>	5000 ft.
<i>Capacity derating per 1000 ft altitude above MSL</i>	0.024 CFM

## OPTIONS

**Ethernet Web UI:** Ethernet connected Web Interface accessible via local area network connected devices

**SNMP:** Alarm status available via SNMP (Low Pressure, High Pressure, Humidity, and Run Time)

**History Logging:** Active alarms stored by date and time of occurrence. CSV download available.

**Low Pressure Operation:** Software configurable from 1-2.5 psig in 0.5 psig increments

**High Pressure Alarm:** Software configurable from 3-11 psig in 1 psig increments

**Humidity Alarm:** Software configurable from 20-50% RH in 10% RH increments

**Run Time Alarm:** Software configurable from 10 minutes to 4 hours in 10 minute increments

**System Purge:** Software configurable from 2-10 days in 2 day increments

## MODELS

AAT-DHRI-APD20-D

Designed to provide remote network and status monitoring of the Radio Frequency Systems Dehydrator Model/Options APD20 - D - 35XH0R00S0.