



**BD8402W Dehydrator Series**

BD8402W Automatic Dehydrator, 220-230 VAC 50/60Hz

The dehydrator removes the moisture from damp ambient air to deliver a reliable, constant, ondemand source of dry and pressurised air, which is critical to prevent the systems from performance and reliability degradation by condensation. The BD8402W series dehydrators offer pressurization solutions to transmission lines and antennas in both telecom and broadcasting applications. Its low pressure models (suffix LP) are suitable for applications where reduced pressure is required, for example, pressurisation of broadcast antenna radomes, microwave waveguides and other transmission lines. The inherent reliability of the BD series design, combined with the high output capacity and remote real-time data capabilities make these units an ideal choice for pressurisation of systems at unattended sites. The BD8402W Series dehydrators employ a fully digital operating platform offering the most accurate readings of operating variables, either from the front panel or by a remote IP connection.



**FEATURES / BENEFITS**

- Air Delivery up to 9911L/h
- Dual, Independently Functioning Systems
- LCD display of All Operating Parameters
- Status & Configuration Access via Web Browser Interface
- Remote Access and Alarm Reset Capabilities
- SNMP Communication Compatible
- Accurate Humidity Sensing within  $\pm 0.1\%$  RH
- Ultra Quiet Compressors
- Removable Compressor Tray for Ease of Maintenance
- 8,000 Hour Maintenance Interval

**Technical features**

**GENERAL SPECIFICATIONS**

<b>Product Type</b>		Automatic Dehydrator
<b>Model</b>		BD8402W
<b>max. System Volume @Sea Level</b>	l	83.230
<b>Output Capacity</b>	l/h	Normal: 7670 Continuous; Maximum: 9911 Emergency
<b>Output Pressure</b>	kPa (PSIG)	0 - 103.4 (0 - 15)
<b>Output Air Relative Humidity</b>	%	>2 RH
<b>Number of Outlets</b>		1
<b>Output Fitting</b>		Single, 1/2" NPT female
<b>Noise Level at 3m</b>	dBa	78.8
<b>Network Management</b>		via Web Browser or SNMP through RJ-45 Ethernet Connection

**ELECTRICAL SPECIFICATIONS**

<b>Operating Voltage</b>	V	220-230 VAC, 50 / 60Hz Note: 1
<b>Operating Current</b>	A	15

**MECHANICAL SPECIFICATIONS**

<b>Dimension H x D x W</b>	cm	124.5 x 53.3 x 64.1
<b>Weight</b>	Kg	120

**ENVIRONMENTAL**

<b>Ambient Temperature Range</b>	°C	+5 to +30 Note: 2
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### BD8402W Dehydrator Series

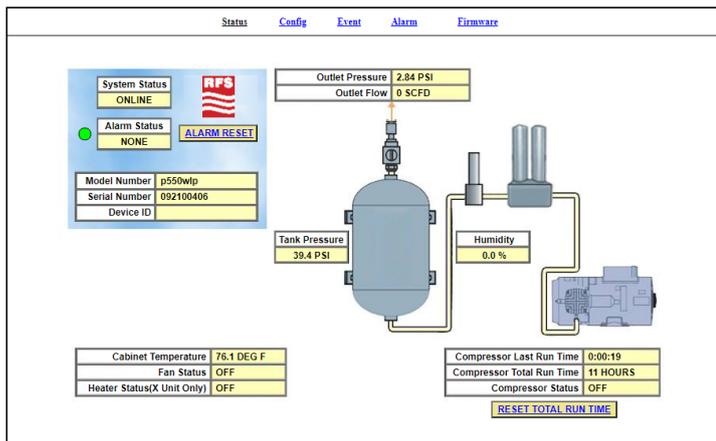
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#### ALARMS

<b>Alarm</b>	<p>Standard Alarm - Complete readings of all critical measurement points, individual alarm indication display, including SNMP communication.</p> <ul style="list-style-type: none"> <li>High Outlet Pressure Alarm</li> <li>Low Outlet Pressure Alarm</li> <li>High Humidity Alarm</li> <li>High Flow Rate Alarm</li> <li>High Cabinet Temperature Alarm</li> <li>High Compressor Last Run Time Alarm</li> </ul>
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#### ACCESSORIES

Model Name	Description
P011766	6-Month Maintenance Kit for BD8402W Series
P011813	8000 Hour Maintenance Kit for BD8402W Series
P011814	16000 Hour Maintenance Kit for BD8402W Series
P011752	Installation Kit for BD8402W Series
GLK-1	Start up Kit for Dehydrator
PWM2G	2-Port Manifold with Pressure Gauges
PWM2GC	2-Port Manifold with Pressure Gauges & Valves
MLK-2	Start up Kit for 2-Port Manifold
PW4MG	4-Port Manifold with Pressure Gauges
PW4MGC	4-Port Manifold with Pressure Gauges & Valves
MLK-4	Start up Kit for 4-Port Manifold
PWM8G	8-Port Manifold with Pressure Gauges
P8WMGC	8-Port Manifold with Pressure Gauges & Valves
MLK-8	Start up Kit for 8-Port Manifold
TUBE-38OD-PON	Gas inlet adaptor 1/8" NPT for 3/8" OD tube
TUBE-M12-G18	Gas inlet Adapter M12x1.5 - G1/8



Screen image showing remote display of dehydrator status and alarms

[External Document Links](#)  
[Dehydrator Sizing Reference Guide](#)

#### Notes

- Note 1: (30 Amp service recommended)
- Note 2: Unit will go into SHUTDOWN mode if cabinet temperature exceeds 49°C



PRODUCT DATASHEET

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