PRODUCT DATASHEET

BD420*W* Dehydrator Series

BD420*W* Automatic Dehydrator, 110-125 VAC 50/60Hz or 208-253 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 BD4200W 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 BD4200W 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 4955L/h
- Available in 110VAC or 220VAC Power Supply
- Accurate Humidity Sensing within ±0.1% RH
- Digital Display of All Operating Parameters
- Remote Real-Time Data and Alarm Reset Capabilities
- SNMP Communication Compatible
- Remote Access via Web Browser Interface
- Imperial and Metric Unit of Measure Options
- 8,000 Hour Maintenance Interval
- Quietest Dryer on the Market

Technical features

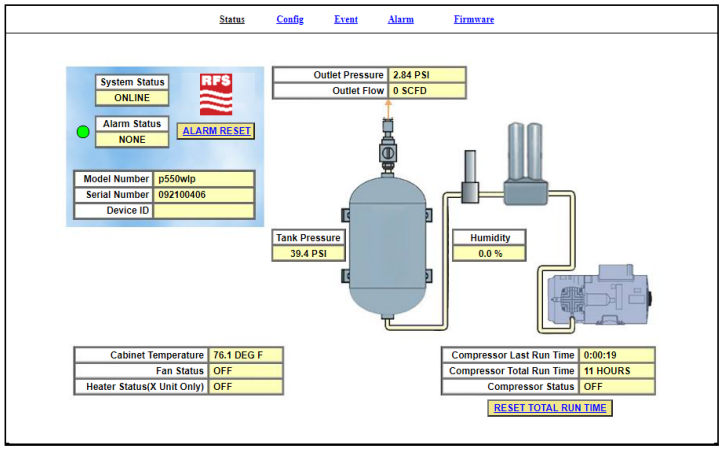
GENERAL SPECIFICATIONS					
Product Type		Automatic Dehydrator			
Model		BD4200W	BD4200WLP	BD4202W	BD4202WLP
max. System Volume @Sea Level	l	41.615			
Output Capacity	l/h	Normal: 3068 Continuous; Maximum: 4955 Emergency			
Output Pressure	kPa (PSIG)	35 - 138 (5 - 20)	2.0 - 69 (0.30 - 10)	35 - 138 (5 - 20)	2.0 - 69 (0.30 - 10)
Ouput Air Relative Humidity	%	>2 RH			
Number of Outlets		1			
Output Fitting		Single, 1/2" NPT female			
Noise Level at 3m	dBA	63			
Network Management		via Web Browser or SNMP through RJ-45 Ethernet Connection			
ELECTRICAL SPECIFICATIONS					
Operating Voltage	V	110 - 125 VAC, 50 / 60Hz Note: 1		208 - 253 VAC, 50 / 60Hz	
OperatingCurrent	A	8.6		3.9	
MECHANICAL SPECIFICATIONS					
Dimension H x D x W	cm	124.5 x 53.3 x 64.8			
Weight	Kg	100			
ENVIRONMENTAL					
Ambient Temperature Range	°C	+5 to +30 Note: 2			

ALARMS

Alarm		Standard Alarm - Complete readings of all critical measurement points, individual alarm indication display, including SNMP communication. High Outlet Pressure Alarm Low Outlet Pressure Alarm High Humidity Alarm High Flow Rate Alarm High Cabinet Temperature Alarm High Compressor Last Run Time Alarm

ACCESSORIES

Model Name	Description
P012314	6-Month Maintenance Kit for BD420*W* Series
P011471	8000 Hour Maintenance Kit for BD420*W* Series
P011752	Installation Kit for BD420*W* 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: (15 Amp service recommended)

Note 2: Unit will go into SHUTDOWN mode if cabinet temperature exceeds 49°C