

## Microwave components for telecommunication systems

*High-Precision Machining by Lathes and CNC Centers*

COMPANY WITH  
QUALITY  
AND ENVIRONMENTAL  
SYSTEMS CERTIFIED

ISO 9001:2015  
ISO 14001:2015  
OHSAS 18001:2007

### PRODUCT DATASHEET

#### MWLB-18A

## MWLB-18A Automatic Dehydrator 100-240 VAC 50/60 Hz LAB SOLUTION – 4 Output Ports (Available with 8 Output Ports on request)

The MWLB Dehydrator is designed for reliable pressurization of waveguide, coaxial cable and rigid transmission line systems. The dehydrator includes a self contained completely automated air drying system that utilizes a pressure swing moisture absorption cycle to provide pressurized dry air. This eliminates the need for replacement or manual reactivation of the desiccant and makes the MWLB dehydrators ideal for unattended operation at even remote sites. The pressure output is adjustable in the field to operate anywhere between 1 kPa and 6 kPa (0.15 psig and 0.87 psig). A factory set safety valve at 7 kPa (1 psig) protects the products of destruction by over pressure.



### FEATURES / BENEFITS

- Flow rate up to 300 NI/h
- dew point better than -45°C
- two pumps and two drying chambers running alternatively continuous duty and automatic operation drying chamber automatic regeneration
- microprocessor control low/high pressure, high humidity, power and system failure alarm
- local and remote alarm signalling
- very low power consumption
- low acoustic noise
- mounting: wall, floor, 19" EIA, ETSI N3 rack

## Technical Features

### GENERAL SPECIFICATIONS

Product		Dehydrator
Dehydrator Type		Automatic
System Capacity		Standard
Output Capacity @ 60 Hz	NI/h (SCFM)	300 (0.18)
Output Capacity @ 50 Hz	NI/h (SCFM)	300 (0.18)
Output Dew Point	°C (°F)	-45 (-49)
Factory Set Output Pressure (on/off)	kPa (psig)	programmable
Field Adjustable Output Pressure (on/off)	kPa (psig)	1 - 6 (0.15 - 0.87)
Field Adjustable Output Pressure Deadband (on/off)	kPa (psig)	nominal output pressure continuously hold
High Pressure Safety Relief Valve	kPa (psig)	7 (1)
Number of Outlets		4
Output Fitting		7 mm (0.28 inch)

### ELECTRICAL SPECIFICATIONS

Operating Voltage	V	100-240 VAC 50/60 Hz
Max. Active Power Consumption	W	55.0
Idle Power Consumption	W	2.0

### MECHANICAL SPECIFICATIONS

Dimensions, H x W x D	mm (in)	135 x 533 x 268 (5.3 x 21 x 10.6)
Net Weight	kg (lb)	6.5 (14.3)

### ENVIRONMENTAL

Ambient Temperature Range	°C (°F)	-10 to 50 (14 to 122)
Ambient Humidity Range, relative	%	95

### ALARMS

Low Pressure Alarm Contacts		SPDT relay
Low Pressure Alarm		Factory included