



Manufacturing Forward

MBL SERIES HEATED DESICCANT AIR DRYERS

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Mikropor began its journey in 1987 with a passion to create “Tomorrow’s Technology” and has become one of the leading manufacturers of atmospheric air filtration solutions and compressed air treatment systems for a variety of industries.

By closely following the latest developments in technology, Mikropor’s “Best in Class” products and solutions are appreciated by customers in more than 100 countries.

The company’s sustainable growth has been provided by its passion for innovation and commitment to quality, as well as its dedication to technology. Mikropor is an environmentally conscious company that values people, while developing products that extend the needs and expectations of customers.

With this mission, Mikropor continues to become one of the most recognized brands in the world by expanding its global penetration in the field of technological filtration and contributes to a healthier planet.

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MBL SERIES HEATED DESICCANT AIR DRYERS

A centrifugal blower and high efficiency heater eliminate the use of valuable compressed air for desiccant regeneration. The completely automatic drying system uses blower to pull ambient air and pass it through the heater. This hot air stream flows opposite to drying flow direction. Hot air above 390°F regenerates the moisture inside desiccant bed and strips it completely of all moisture. The advanced control system monitors the dew point and adjusts the heating/regeneration accordingly thereby providing valuable energy savings.

- Dew point monitoring and control
- Computer Control-Display Status
- Display Alarms-Display Pressure
- Remote Start/Stop-Low Pressure Alarm
- Minimum pressure monitoring valve
- High pressure switches and alarms
- Externally heated or heatless dryer functions integrated to the MBL



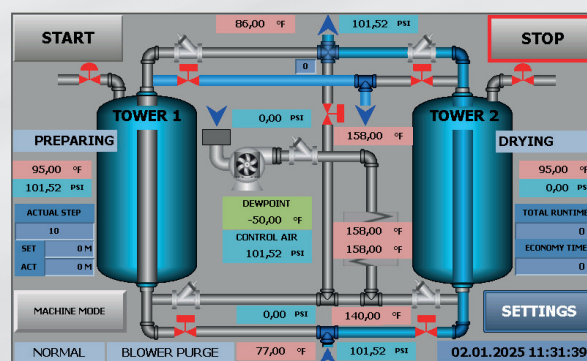
Correction Factor for MBL Series

Pressure (psi)	Factor Pressure F1	Inlet Temperature (°F)	Factor Inlet F1
50	0.56	70	1.16
60	0.65	80	1.11
70	0.74	90	1.06
80	0.83	100	1
90	0.91	105	0.9
100	1	110	0.86
110	1.06	115	0.7
120	1.08	120	0.6
130	1.12	-	-
140	1.16	-	-
150	1.2	-	-
175	1.29	-	-
232	1.37	-	-



Advanced Controller System

HMI touch screen PLC system is used as a standard controller system for MBL Heated Desiccant Air Dryers. Instant display controller PSA parameters and production performance can be provided with high reliability.



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Technical Specifications

Model	Capacity (scfm)	Connection Size	Max. Working Pressure (psig)	Pressure Drop (psig)	Voltage	Average Power (kW)	Total Desiccant Weight (lbs)	Dimensions		
								Length (in)	Width (in)	Height (in)
MBL 500	500	2"	232	≤1.9	460V/3Ph/60Hz	8.4	577	62	56	96
MBL 600	600	2"	232	≤1.9	460V/3Ph/60Hz	9.2	780	66	64	99
MBL 800	800	3" 150# FLG	232	≤1.9	460V/3Ph/60Hz	14.4	985	81	70	104
MBL 1000	1000	3" 150# FLG	232	≤1.9	460V/3Ph/60Hz	16.0	1261	75	72	99
MBL 1250	1250	3" 150# FLG	232	≤1.9	460V/3Ph/60Hz	18.1	1569	80	81	101
MBL 1500	1500	3" 150# FLG	232	≤1.9	460V/3Ph/60Hz	20.7	1909	82	78	112
MBL 2000	2000	4" 150# FLG	232	≤1.9	460V/3Ph/60Hz	33.4	2365	104	88	107
MBL 2500	2500	4" 150# FLG	232	≤1.9	460V/3Ph/60Hz	44.1	3127	142	88	120
MBL 3000	3000	4" 150# FLG	232	≤1.9	460V/3Ph/60Hz	47.6	3701	137	86	133
MBL 4000	4000	6" 150# FLG	232	≤1.9	460V/3Ph/60Hz	68.4	5085	138	83	122
MBL 5000	5000	6" 150# FLG	232	≤1.9	460V/3Ph/60Hz	88.3	6094	196	133	134
MBL 6000	6000	8" 150# FLG	232	≤1.9	460V/3Ph/60Hz	107.2	7163	157	91	152

Given flows are at 100 psig pressure with reference to 68°F and 14 psig atmospheric air suction as per ISO7183.

*Design dimensions and weight information may vary upon request. Please contact Mikropor technical team for more information.

Pressure Dew Point	Nominal Inlet Temp.	Nominal Working Pressure	Max. Inlet Temp.	Max. Working Pressure	Max. Ambient Temp.
-40°F (-100°F)	100°F	100 psig	120°F	232 psig	105°F



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Mikropor America Inc.

4921 Ohio Street, Michigan City, IN 46360

☎ 219 878 1550 ✉ support@mikroporamerica.com

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