



## MBL Series (500 scfm - 10000 scfm)

### Blower Purge Heated Desiccant Air Dryers

A centrifugal blower and high efficiency heater eliminates the use of valuable compressed air to be used 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 392°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 dryers.



### Technical Specifications

Model	Connection Size	Inlet Flow Rate (scfm)	Voltage	Max. working pressure (psi)	Pressure Drop (psi)	Pressure Dewpoint (psi)	Nominal Inlet Temp. (°F)	Max. Inlet Temp. (°F)	Max. Ambient Temp. (°F)
MBL 500	2"NPT	500	460/3/60	200	≤ 2	-40°F	100°F	115°F	120°F
MBL 600	2"NPT	600	460/3/60	200	≤ 2	-40°F	100°F	115°F	120°F
MBL 800	3"FLG	800	460/3/60	200	≤ 2	-40°F	100°F	115°F	120°F
MBL 1000	3"FLG	1000	460/3/60	200	≤ 2	-40°F	100°F	115°F	120°F
MBL 1250	3" FLG	1250	460/3/60	200	≤ 2	-40°F	100°F	115°F	120°F
MBL 1500	3"FLG	1500	460/3/60	200	≤ 2	-40°F	100°F	115°F	120°F
MBL 2000	4"FLG	2000	460/3/60	200	≤ 2	-40°F	100°F	115°F	120°F
MBL 2500	4"FLG	2500	460/3/60	200	≤ 2	-40°F	100°F	115°F	120°F
MBL 3000	6"FLG	3000	460/3/60	200	≤ 2	-40°F	100°F	115°F	120°F
MBL 4000	6"FLG	4000	460/3/60	200	≤ 2	-40°F	100°F	115°F	120°F
MBL 5000	6"FLG	5000	460/3/60	200	≤ 2	-40°F	100°F	115°F	120°F
MBL 7000	8"FLG	7000	460/3/60	200	≤ 2	-40°F	100°F	115°F	120°F
MBL 8000	8"FLG	8000	460/3/60	200	≤ 2	-40°F	100°F	115°F	120°F
MBL 9000	10"FLG	9000	460/3/60	200	≤ 2	-40°F	100°F	115°F	120°F
MBL 10000	10"FLG	10000	460/3/60	200	≤ 2	-40°F	100°F	115°F	120°F

### Correction Factor

Pressure (psi)	50	60	70	80	90	100	110	120	130	140	150	175	200
Factor Pressure F1	0.56	0.65	0.74	0.83	0.91	1	1.06	1.08	1.12	1.16	1.2	1.29	1.37
Inlet Temperature (°F)	70	80	90	100	105	110	115	120	-	-	-	-	-
Factor Inlet F2	1.12	1.09	1.06	1	0.93	0.86	0.8	0.75	-	-	-	-	-

If an compressor delivers 1200 scfm at 90 psi pressure and 90°F inlet temperature;  
 $1200/F1/F2 = 1200/0.91/1.06 = 1244$  scfm  
 Your Dryer Model is MBL 1250