



Manufacturing Forward

Compressed Air Systems

HEATED DESICCANT AIR DRYERS LMBP (BLOWER PURGE) SERIES



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 200 °C 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 MBP dryers.

Pressure dewpoint	-40 °C
Nominal inlet temperature	35 °C
Nominal working pressure	7 bar
Maximum inlet temperature	45 °C
Maximum working pressure	10 bar
Maximum ambient temperature	40 °C

Correction Factor

(Bar)	4.5	5	6	7	8	9	10
Factor Pressure F1	0.69	0.75	0.88	1	1.12	1.25	1.37
Inlet Temp. (°C)	20	25	30	35	40	45	-
Factor Inlet F2	1	1	1	1	0.80	0.73	-

Technical Specifications

Model	Capacity (m³/h)	Connection Size	Pressure Drop (mbar)	Max. working pressure (bar)	Voltage	Average Power (kw)	Fuse Amper (kw)	Activated Alumina (Kg)	Dimensions (mm)		
									Width	Length	Height
LMBP 850	850	2"	- 130	10	400/3/50	8.75	40	264	1290	1180	2299
LMBP 1000	1000	2"	- 130	10	400/3/50	8.75	40	357	1200	1310	2415
LMBP 1250	1250	DN80	- 130	10	400/3/50	10.25	50	404	1610	1270	2468
LMBP 1500	1500	DN80	- 130	10	400/3/50	10.25	50	454	1610	1270	2563
LMBP 1800	1800	DN80	- 130	10	400/3/50	11.75	63	566	1563	1515	2479
LMBP 2200	2200	DN80	- 130	10	400/3/50	14.75	63	708	1563	1455	2789
LMBP 2700	2700	DN80	- 130	10	400/3/50	17	100	852	1615	1514	2836
LMBP 3200	3200	DN100	- 130	10	400/3/50	17	100	954	1710	1660	3054
LMBP 3600	3600	DN100	- 130	10	400/3/50	26.4	125	1070	1710	1660	3268
LMBP4400	4400	DN100	- 130	10	400/3/50	26.4	125	1436	1975	2492	2910
LMBP 5000	5000	DN125	- 130	10	400/3/50	28.25	160	1670	2045	2560	3382
LMBP 6300	6300	DN150	- 130	10	400/3/50	43.25	200	2016	2090	2963	3328
LMBP 7200	7200	DN150	- 130	10	400/3/50	47	200	2446	2020	3363	3047
LMBP 8800	8800	DN150	- 130	10	400/3/50	50.75	260	2906	2020	3363	3341
LMBP 10800	10800	DN200	- 130	10	400/3/50	69.50	320	3354	2492	3481	3765

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