



MBP SERIES HEATED DESICCANT

Manufacturing Forward





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.

www.mikropor.com

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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 use ambient air and pass it through the heater. Hot air up to 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 Controlled Status Display
- Alarm, Pressure, Temperature Status Display
- Remote Start/Stop
- Dew Point Controlled Economy Mode
- High & Low Pressure Switches, Alarms
- Externally heated or heatless dryer functions integrated to the MBP



Correction Factor for MBP Series

Pressure (barg)	F1	Inlet Temp. (°C)	F2
4.5	0.69	20	1.00
5	0.75	25	1.00
6	0.88	30	1.00
7	1.00	35	1.00
8	1.12	40	0.80
9	1.25	45	0.73
10	1.37	-	-

Technical Specifications

Model	Capacity (m³/h)	Connection Size	Max. Working Pressure (barg)	Pressure Drop (mbar)	Power Supply (V / Ph / Hz)	Average Power (kw)	Fuse Amp.	Activated Alumina (kg)	Dimensions (mm)		
									Width	Length	Height
MBP 850	850	2"	10	≤130	400 / 3 / 50	10.49	36	264	1290	1180	2299
MBP 1000	1000	2"	10	≤130	400 / 3 / 50	11.28	36	357	1200	1310	2415
MBP 1250	1250	DN80	10	≤130	400 / 3 / 50	10.83	50	404	1610	1270	2468
MBP 1500	1500	DN80	10	≤130	400 / 3 / 50	12.14	50	454	1610	1270	2563
MBP 1800	1800	DN80	10	≤130	400 / 3 / 50	15.21	65	566	1563	1515	2479
MBP 2200	2200	DN80	10	≤130	400 / 3 / 50	19.31	70	708	1563	1455	2789
MBP 2700	2700	DN80	10	≤130	400 / 3 / 50	26.06	87	852	1615	1514	2836
MBP 3200	3200	DN100	10	≤130	400 / 3 / 50	25.04	87	954	1710	1660	3054
MBP 3600	3600	DN100	10	≤130	400 / 3 / 50	33.90	121	1070	1710	1660	3268
MBP 4400	4400	DN100	10	≤130	400 / 3 / 50	37.84	121	1436	1975	2492	2910
MBP 5000	5000	DN125	10	≤130	400 / 3 / 50	46.25	136	1670	2045	2560	3382
MBP 6300	6300	DN150	10	≤130	400 / 3 / 50	62.29	170	2016	2090	2963	3328
MBP 7200	7200	DN150	10	≤130	400 / 3 / 50	69.38	170	2446	2020	3363	3047
MBP 8800	8800	DN150	10	≤130	400 / 3 / 50	75.15	250	2906	2020	3363	3341
MBP 10800	10800	DN200	10	≤130	400 / 3 / 50	94.60	280	3354	2492	3481	3765

Given flows are at 7 barg pressure with reference to 20°C and 1 bar atmospheric air suction as per ISO 7183 standard

Pressure Dew Point	Nominal Inlet Temp.	Nominal Working Pressure	Max. Inlet Temp.	Max. Working Pressure	Max. Ambient Temp.
-40°C -70°C (optional)	35°C	7 barg	45°C	10 barg	40°C

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