



MMD-P SERIES PNEUMATIC COMPRESSED AIR DRYER

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.

mikroporamerica.com

MMD-P SERIES PNEUMATIC MODULAR DESICCANT

The water inside the compressed air is always a problem. Atmospheric air includes water vapor, oil, and dust particles inside it. When the air is compressed the particles inside the air are also densified and produced unwanted condensate inside the compressed air. This condensate is generally acidic, and it could easily harm the pneumatic component of the system. It can damage the piping line and cause gas leakage, damage the end-product quality, or create undesired maintenance costs. For preventing these kinds of problems compressed air dryers shall be used.

Mikropor Modular Pneumatic Compressed Air Dryer- MMD-P produces -40°F dew point compressed dry air without needing any power supply. MMD-P does not need any electrical connection for producing dry compressed air. For that reason, it can install in any place.

Advantages

- **No Electricity Required**
 - It could be installed in almost any industrial location as they do not require additional energy to operate. It could also be used in a hazardous area.
- **Low Cost**
 - Require no electricity thus lowering operating costs. Also, it needs only pre-defined maintenance.
- **High Efficiency**
 - It can supply dry compressed air immediately. It removes the water vapor and lowers the dew point to -40°F (optionally -100°F).
- **Compact Design**
 - It could be placeable in narrow spaces due to its modular design.



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Technical Specifications

Model	Capacity		Connection Size
	(Nm ³ /h)	(scfm)	
MMD-P-3	5	3	1/2"
MMD-P-5	10	5	1/2"
MMD-P-10	20	10	1/2"
MMD-P-15	25	15	1/2"
MMD-P-20	35	20	1/2"
MMD-P-25	45	25	1/2"
MMD-P-30	50	30	1/2"
MMD-P-40	70	40	1 1/2"
MMD-P-50	85	50	1 1/2"
MMD-P-60	100	60	1 1/2"
MMD-P-75	130	75	1 1/2"
MMD-P-100	170	100	1 1/2"
MMD-P-120	200	120	1 1/2"
MMD-P-180	300	180	1 1/2"
MMD-P-240	400	240	1 1/2"
MMD-P-HC 340	575	340	2"
MMD-P-HC 400	680	400	2"
MMD-P-HC 500	850	500	2"
MMD-P-HC 590	1000	590	2"
MMD-P-HC 735	1250	735	3"
MMD-P-HC 890	1500	890	3"
MMD-P-HC 1060	1800	1060	3"

Pressure Dew Point	Nominal Inlet Temperature	Nominal Working Pressure	Maximum Inlet Temperature	Maximum Working Pressure	Maximum Ambient Temperature
-40°F / -100°F (optional)	100°F	100 psig	120°F	232 psig	120°F

* Given flows are at 100 psig pressure with reference to 70°F and 14 psig atmospheric air suction as per ISO7183.

Correction Factor for MMD-P Series

Pressure (psig)	F1	Inlet Temp. (°F)	F2
65	0.69	70	1.16
73	0.75	80	1.11
87	0.88	90	1.06
100	1	100	1
116	1.12	105	0.9
131	1.25	110	0.86
145	1.37	115	0.7
160	1.5	120	0.6
174	1.62	-	-
189	1.74	-	-
203	1.87	-	-
218	1.99	-	-
232	2.11	-	-

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