

## Modular Desiccant Air Dryers

The light weight modular design of the NEW Mikropor MMD Modular Desiccant Dryer Series brings a whole new concept in compressed air technology, offering total installation flexibility to meet specific needs.

Mikropor's new Modular Desiccant Dryers are less than the half weight and size of a traditional twin tower design, allowing even the largest models to be easily moved through a standard doorway.

Mikropor's innovative Modular Air Dryers make it easier and more affordable to deliver high-quality compressed air for space challenged installations.

MMD Series have cosmetic beauty and can be located in clean or showcase environments. Offered in a sizes from 3 scfm to 240 scfm with dew point of -40°F to -94°F (optional) these dryers are equipped with everything needed, requiring only air inlet / outlet connections.

Using a highly engineered inlet and purge manifold design, Mikropor proudly offers one of the lowest pressure drop desiccant dryers in the industry.

- Small footprint, lightweight, advanced compact design
- Corrosion protected Aluminum construction
- Hassle-free, reliable electronic controls
- Can be floor, bench or wall mounted
- Low sound to be placed in any work environment
- Easy installation, easy maintenance

The new Modular Desiccant Dryers combine proven traditional dryer principles with the latest technology to provide unsurpassed efficiency, flexibility and world-renowned Mikropor reliability for your critical dry air applications.



# Modular Desiccant Air Dryers

## Technical Specifications

Model	Capacity (scfm)	Connection Size (NPT)	Max. working pressure (psi)	Voltage	Weight (lb/kg)	Dimensions (inch)		
						Length	Width	Height
MMD-3	3	1/2"	230	115-240V/1/50-60Hz.	37 / 17	13.2	12.6	22
MMD-5	5	1/2"	230	115-240V/1/50-60Hz.	41 / 19	12.6	12.6	25
MMD-10	10	1/2"	230	115-240V/1/50-60Hz.	59 / 27	12.6	12.6	35.5
MMD-15	15	1/2"	230	115-240V/1/50-60Hz.	68 / 31	13.8	14.5	31.8
MMD-20	20	1/2"	230	115-240V/1/50-60Hz.	92 / 42	13.8	14.5	43.6
MMD-25	25	1/2"	230	115-240V/1/50-60Hz.	105 / 48	13.8	14.5	49.5
MMD-30	30	1/2"	230	115-240V/1/50-60Hz.	118 / 54	13.8	14.5	59.4
MMD-40	40	1 1/2"	230	115-240V/1/50-60Hz.	143 / 71	19.5	16.1	49.2
MMD-50	50	1 1/2"	230	115-240V/1/50-60Hz.	156 / 78	19.5	16.1	55.1
MMD-60	60	1 1/2"	230	115-240V/1/50-60Hz.	171 / 92	19.5	16.1	68.8
MMD-75	75	1 1/2"	230	115-240V/1/50-60Hz.	202 / 120	24.5	17	51.1
MMD-100	100	1 1/2"	230	115-240V/1/50-60Hz.	264 / 133	24.5	22	58
MMD-120	120	1 1/2"	230	115-240V/1/50-60Hz.	292 / 152	24.5	25	68.8
MMD-180	180	1 1/2"	230	115-240V/1/50-60Hz.	409 / 186	28.9	16.1	59
MMD-240	240	1 1/2"	230	115-240V/1/50-60Hz.	517 / 235	35	16.1	59

## Various application options

MMD Series can be mounted to the wall by with easily to use mounting brackets to win more space and also can be applied to the ground very easily.



### PLC Monitor

The mini PLC is very friendly and shows the working action simultaneously. It is possible to get an alarm signal or remote control thanks to an easy access plug below the dryer.



Pressure dewpoint	-40 °F -94 °F (optional)
Nominal inlet temperature	100°F
Nominal working pressure	100 psi
Maximum inlet temperature	122°F
Maximum working pressure	230 psi
Maximum ambient temperature	122°F



### Correction Factor

Pressure (psi)	50	60	70	80	90	100	110	120	130	140	150	175	200	225	250
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	1.45	1.52
Inlet Temp. (°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	-	-	-	-	-	-	-

### Correction Sample:

if an compressor delivers 70 scfm at 90 psi with 110°F inlet temperature please choose your Dryer model as follow:  
 $70 \text{ scfm} / 0.91 / 0.86 = 90 \text{ scfm}$  your model is MMD-100