

### Modular Desiccant Air Dryers

The light weight modular design of the NEW 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 than ever to deliver high-quality compressed air for virtually wherever it's needed.

Mikropor Modular Desiccant Dryers have cosmetic beauty and can be located in clean and nice environments with being an eye sore. Offered in a sizes from 5 m<sup>3</sup>/h to 400 m<sup>3</sup>/h with dew point of -40°C to -70°C (optional) these dryers are equipped with everything you need, 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 dryer 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
- Quite enough 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.



## Technical Specifications

Model	Capacity (m³/h) (scfm)		Connection Size	Max. working pressure (bar)	Voltage	Weight (kg)	Dimensions (mm)		
							Width	Length	Height
MMD3	5	3	1/2"	16	115-240V/50-60Hz.	17	320	336	558
MMD5	10	5	1/2"	16	115-240V/50-60Hz.	19	320	320	633
MMD10	20	10	1/2"	16	115-240V/50-60Hz.	27	320	320	908
MMD15	25	15	1/2"	16	115-240V/50-60Hz.	31	370	350	808
MMD20	35	20	1/2"	16	115-240V/50-60Hz.	42	370	350	1108
MMD25	45	25	1/2"	16	115-240V/50-60Hz.	48	370	350	1258
MMD30	50	30	1/2"	16	115-240V/50-60Hz.	54	370	350	1508
MMD40	70	40	1 1/2"	16	115-240V/50-60Hz.	71	410	495	1250
MMD50	85	50	1 1/2"	16	115-240V/50-60Hz.	78	410	495	1400
MMD60	100	60	1 1/2"	16	115-240V/50-60Hz.	92	410	495	1750
MMD75	130	75	1 1/2"	16	115-240V/50-60Hz.	120	430	622	1300
MMD100	170	100	1 1/2"	16	115-240V/50-60Hz.	133	430	622	1450
MMD120	200	120	1 1/2"	16	115-240V/50-60Hz.	152	430	622	1750
MMD180	300	180	1 1/2"	16	115-240V/50-60Hz.	186	410	734	1499
MMD240	400	240	1 1/2"	16	115-240V/50-60Hz.	235	410	889	1497

## Various application options

Modular Desiccant Air Dryers 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.

### Correction Factor

(Bar)	4.5	5	6	7	8	9	10	11	12	13	14	15	16
Factor Pressure F1	0.69	0.75	0.88	1	1.12	1.25	1.37	1.50	1.62	1.74	1.87	1.99	2.11
Inlet Temp. (°C)	20	25	30	35	40	45	50	-	-	-	-	-	-
Factor Inlet F2	1	1	1	1	0.80	0.73	0.59	-	-	-	-	-	-

Pressure dewpoint	-40 °C / -70 °C (opt.)
Nominal inlet temperature	35 °C
Nominal working pressure	7 bar
Maximum inlet temperature	50 °C
Maximum working pressure	16 bar
Maximum ambient temperature	50 °C

