



MMD SERIES
MODULAR DESICCANT COMPRESSED
AIR DRYER

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The lightweight modular design desiccant dryer series brings a new concept in compressed air technology, offering total installation flexibility to meet specific needs. Mikropor's Modular Desiccant Dryers are less than half the 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, pleasant environments eyesore. Offered in sizes from 3 scfm to 1060 scfm with dew point of -40° F to -100° F (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 pressures drop desiccant dryer in the industry.

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

PLC Monitor

The mini-PLC is user 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. Dew point control and monitoring is possible with a dew point sensor.

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.

Various Application Options

Modular Desiccant Air Dryers can be mounted to the wall with easy-to-use mounting brackets to free up additional space and can also be secured to the ground very easily.



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Technical Specifications

Model	Capacity (Nm ³ /h) (scfm)		Inlet - Outlet Connection Size	Length (inch)	Width (inch)	Height (inch)	Standard Voltage	Filter Models
MMD3	5	3	1/2" NPT	10.9	12.6	22.0	110-230V / 1 Ph / 50-60 Hz	GON-US-20
MMD5	10	5	1/2" NPT	10.9	12.6	24.9	110-230V / 1 Ph / 50-60 Hz	GON-US-20
MMD10	20	10	1/2" NPT	10.9	12.6	35.8	110-230V / 1 Ph / 50-60 Hz	GON-US-20
MMD15	25	15	1/2" NPT	11.5	14.6	32.0	110-230V / 1 Ph / 50-60 Hz	GON-US-20
MMD20	35	20	1/2" NPT	11.6	14.6	43.7	110-230V / 1 Ph / 50-60 Hz	GON-US-32
MMD25	45	25	1/2" NPT	11.5	14.6	49.4	110-230V / 1 Ph / 50-60 Hz	GON-US-32
MMD30	50	30	1/2" NPT	11.6	14.6	59.2	110-230V / 1 Ph / 50-60 Hz	GON-US-32
MMD40	70	40	1/2" NPT	15.3	16.1	49.2	110-230V / 1 Ph / 50-60 Hz	GON-US-60
MMD50	85	50	1/2" NPT	19.4	16.1	55.1	110-230V / 1 Ph / 50-60 Hz	GON-US-60
MMD60	100	60	1/2" NPT	15.3	16.1	68.9	110-230V / 1 Ph / 50-60 Hz	GON-US-60
MMD75	130	75	1" NPT	20.4	16.2	51.2	110-230V / 1 Ph / 50-60 Hz	GON-US-90
MMD100	170	100	1" NPT	20.4	16.2	57.1	110-230V / 1 Ph / 50-60 Hz	GON-US-130
MMD120	200	120	1" NPT	20.4	16.2	68.9	110-230V / 1 Ph / 50-60 Hz	GON-US-130
MMD180	300	180	1-1/2" NPT	25.6	16.2	59.1	110-230V / 1 Ph / 50-60 Hz	GON-US-235
MMD240	400	240	1-1/2" NPT	30.9	16.2	59.1	110-230V / 1 Ph / 50-60 Hz	GON-US-295
MMD-340	575	340	2" NPT	39.16	15.7	65.11	115-240 V / 1Ph / 50-60 Hz	GON-US-350
MMD-400	680	400	2" NPT	52.55	15.7	61.19	115-240 V / 1Ph / 50-60 Hz	GON-US-470
MMD-500	850	500	2" NPT	59.2	15.7	65.1	115-240 V / 1Ph / 50-60 Hz	GON-US-590
MMD-590	1000	590	2" NPT	65.9	15.7	69.1	115-240 V / 1Ph / 50-60 Hz	GON-US-590
MMD-735	1250	735	3" NPT	65.9	15.7	80.8	115-240 V / 1Ph / 50-60 Hz	GON-HC-US-910
MMD-890	1500	890	3" NPT	72.63	15.7	80.8	115-240 V / 1Ph / 50-60 Hz	GON-HC-US-910
MMD-1060	1800	1060	3" NPT	79.32	15.7	80.87	115-240 V / 1Ph / 50-60 Hz	GON-HC-US-1175

Pressure Dew Point	Nominal Inlet Temp.	Max. Working Pressure	Max. Inlet Temp.	Max. Working Pressure	Max. Ambient Temp.
-40 °F / -100 °F (opt)	95 F	100 psig	122 °F	230 psig	122 °F

*Given flows are at 100 psig pressure with reference to 68°F and 14 psi atmospheric air suction as per ISO7183.

Correction Factor for MMD Series

Inlet Temp. (°F)	F1	Pressure (psig)	F2
70	1.12	50	0.56
80	1.09	60	0.65
90	1.06	70	0.74
100	1.00	80	0.83
105	0.93	90	0.91
110	0.86	100	1
115	0.80	110	1.06
120	0.75	120	1.08
-	-	130	1.12
-	-	140	1.16
-	-	150	1.20
-	-	175	1.29
-	-	200	1.37
-	-	225	1.45
-	-	230	1.52



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