

MMD-PRO US SERIES MODULAR DESICCANT COMPRESSED AIR DRYER

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mikropor

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.

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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		Inlet - Outlet Connection Size	Length (inch)	Width (inch)	Height (inch)	Power Supply
	(Nm ³ /h)	(scfm)					
MMD-PRO-US 3	5	3	1/2" NPT	10.9	12.6	22.0	110-230V / 1 Ph / 50-60 Hz
MMD-PRO-US 5	10	5	1/2" NPT	10.9	12.6	24.9	110-230V / 1 Ph / 50-60 Hz
MMD-PRO-US 10	20	10	1/2" NPT	10.9	12.6	35.8	110-230V / 1 Ph / 50-60 Hz
MMD-PRO-US 15	25	15	1/2" NPT	11.5	14.6	32.0	110-230V / 1 Ph / 50-60 Hz
MMD-PRO-US 20	35	20	1/2" NPT	11.6	14.6	43.7	110-230V / 1 Ph / 50-60 Hz
MMD-PRO-US 25	45	25	1/2" NPT	11.5	14.6	49.4	110-230V / 1 Ph / 50-60 Hz
MMD-PRO-US 30	50	30	1/2" NPT	11.6	14.6	59.2	110-230V / 1 Ph / 50-60 Hz
MMD-PRO-US 40	70	40	1/2" NPT	15.3	16.1	49.2	110-230V / 1 Ph / 50-60 Hz
MMD-PRO-US 50	85	50	1/2" NPT	19.4	16.1	55.1	110-230V / 1 Ph / 50-60 Hz
MMD-PRO-US 60	100	60	1/2" NPT	15.3	16.1	68.9	110-230V / 1 Ph / 50-60 Hz
MMD-PRO-US 75	130	75	1" NPT	20.4	16.2	51.2	110-230V / 1 Ph / 50-60 Hz
MMD-PRO-US 100	170	100	1" NPT	20.4	16.2	57.1	110-230V / 1 Ph / 50-60 Hz
MMD-PRO-US 120	200	120	1" NPT	20.4	16.2	68.9	110-230V / 1 Ph / 50-60 Hz
MMD-PRO-US 180	300	180	1 1/2" NPT	25.6	16.2	59.1	110-230V / 1 Ph / 50-60 Hz
MMD-PRO-US 240	400	240	1 1/2" NPT	30.9	16.2	59.1	110-230V / 1 Ph / 50-60 Hz
MMD-PRO-US 340	575	340	2" NPT	39.16	15.7	65.11	115-240 V / 1Ph / 50-60 Hz
MMD-PRO-US 400	680	400	2" NPT	52.55	15.7	61.19	115-240 V / 1Ph / 50-60 Hz
MMD-PRO-US 500	850	500	2" NPT	59.2	15.7	65.1	115-240 V / 1Ph / 50-60 Hz
MMD-PRO-US 590	1000	590	2" NPT	65.9	15.7	69.1	115-240 V / 1Ph / 50-60 Hz
MMD-PRO-US 735	1250	735	3" NPT	65.9	15.7	80.8	115-240 V / 1Ph / 50-60 Hz
MMD-PRO-US 890	1500	890	3" NPT	72.63	15.7	80.8	115-240 V / 1Ph / 50-60 Hz
MMD-PRO-US 1060	1800	1060	3" NPT	79.32	15.7	80.87	115-240 V / 1Ph / 50-60 Hz

Pressure Dew Point	Nominal Inlet Temp.	Nominal Working Pressure	Max. Inlet Temp.	Max. Working Pressure	Max. Ambient Temp.
-40°F / -100°F (opt)	95°F	100 psig	120°F	230 psig	120°F

*Given flows are at 100 psig pressure with reference to 70°F and 14 psi atmospheric air suction as per ISO 7183.

Correction Factor for MMD PRO US Series

Pressure (psig)	F1	Inlet Temp. (°F)	F2
50	1.12	70	0.56
60	1.09	80	0.65
70	1.06	90	0.74
80	1.00	100	0.83
90	0.93	105	0.91
100	0.86	110	1
110	0.80	115	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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