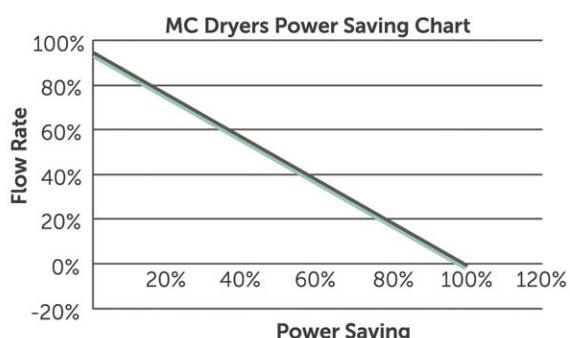


Save the ENERGY

Mikropor Cycling Dryers cool a special liquid and stores it in a cold tank having 1°C temperature. This liquid is cycled in the dryer to cool down compressed air. This technology helps the customers to consume much less ENERGY when the dryer gets 5-95% air flow. The Mikropor Cycling dryer non-cycling or frequency driven dryers when energy consumption is concerned.



All components that are exposed to water-glycol mixture are either stainless steel (Heat exchanger, Tank, Pump) or Aluminum (Dryer heat exchanger) Therefore there is no risk of rust.



Model	Capacity (m³/h)	Voltage	Connection Size	Refrigerant Gas	Dimensions (mm)			Max. Working Pressure (bars)	Max. Ambient Temp. (°C)	Max. Inlet Temp. (°C)
					Width	Length	Height			
MC318	318	230/1/50	1 1/2"	R-134a	590	710	1215	16	45	50
MC370	370	230/1/50	1 1/2"	R-134a	590	710	1215	16	45	50
MC425	425	230/1/50	1 1/2"	R-134a	590	710	1215	16	45	50
MC530	530	400/3/50	1 1/2"	R-134a	845	745	1270	16	45	50
MC690	690	400/3/50	2"	R-134a	845	745	1270	16	45	50
MC850	850	400/3/50	2"	R-134a	845	745	1270	16	45	50
MC1060	1060	400/3/50	2"	R-134a	1165	810	1490	16	45	50
MC1487	1487	400/3/50	3"	R-134a	1165	810	1490	16	45	50
MC1805	1805	400/3/50	3"	R-134a	1165	810	1490	16	45	50
MC2125	2125	400/3/50	3"	R-134a	1165	445	1885	16	45	50
MC2550	2550	400/3/50	3"	R-134a	1165	445	1885	16	45	50
MC3400	3400	400/3/50	DN100	R-134a	1165	1570	1985	16	45	50
MC4250	4250	400/3/50	DN100	R-134a	1165	1570	1985	16	45	50
MC5100	5100	400/3/50	DN150	R-134a	1225	2000	1985	16	45	50
MC6375	6375	400/3/50	DN150	R-134a	1225	2190	1985	16	45	50

Example for choosing the correct Dryer:

If an air compressor delivers 200 Nm³/h at 5 bars, the dryer inlet temperature is 45°C and ambient temperature is 30°C. Please choose your Dryer Model as follows;
 $200 / 0,85 / 0,72 / 0,93 = 351 \text{ Nm}^3/\text{h}$
 The correct Dryer Model for this application is MC370.

CORRECTION FACTORS FOR MC AIR DRYERS									
Inlet Temperature (°C)	30	35	40	45	55	60	65	-	
F1	1.18	1.00	0.85	0.72	0.54	0.47	0.38	-	
Ambient Temperature (°C)	22	25	30	35	45	50	-	-	
F2	1.09	1.00	0.93	0.88	0.74	0.66	-	-	
Pressure (Barg)	3.5	4.1	5	7	8.5	10	12	14	
F3	0.75	0.77	0.85	1.00	1.10	1.16	1.25	1.3	