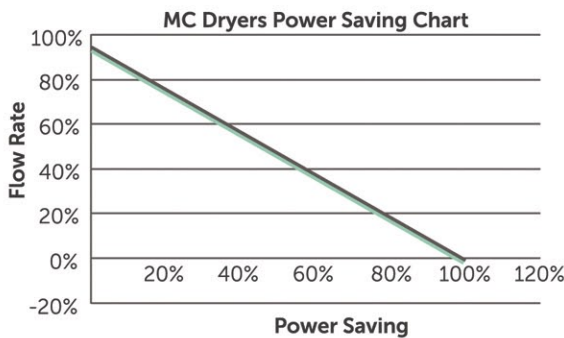




# MC Series (150 scfm - 3000 scfm) Cycling (Thermal Mass) Air Dryers

## Save the ENERGY

Mikropor Cycling Dryers cool an engineered special liquid in a stainless tank having 33.8°F temperature. This liquid is cycled in the dryer to cool down the compressed air. This technology helps the customers to SAVE ENERGY when the dryer has variable inlet flow.



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 (scfm)	Voltage	Connection Size	Refrigerant Gas	Dimensions (inch)			Max. Working Pressure (psi)	Max. Ambient Temp. (°F)	Max. Inlet Temp. (°F)
					Width	Length	Height			
MC-US-150	150	230/1/60	1 1/2" NPT	R-134a	23.2	28	48	230	120	150
MC-US-175	175	230/1/60	1 1/2" NPT	R-134a	23.2	28	48	230	120	150
MC-US-200	200	230/1/60	1 1/2" NPT	R-134a	23.2	28	48	230	120	150
MC-US-250	250	460/3/60	1 1/2" NPT	R-134a	33.2	29.3	50	230	120	150
MC-US-325	325	460/3/60	2" NPT	R-134a	33.2	29.3	50	230	120	150
MC-US-400	400	460/3/60	2" NPT	R-134a	33.2	29.3	50	230	120	150
MC-US-500	500	460/3/60	2" NPT	R-134a	46	32	60	230	120	150
MC-US-700	700	460/3/60	3" NPT	R-134a	46	32	60	230	120	150
MC-US-850	850	460/3/60	3" NPT	R-134a	46	32	60	230	120	150
MC-US-1000	1000	460/3/60	3" NPT	R-134a	46	32	74	230	120	150
MC-US-1200	1200	460/3/60	3" NPT	R-134a	46	32	74	230	120	150
MC-US-1600	1600	460/3/60	4" FLG	R-134a	46	62	78	230	120	150
MC-US-2000	2000	460/3/60	4" FLG	R-134a	46	62	78	230	120	150
MC-US-2400	2400	460/3/60	6" FLG	R-134a	48	78.7	78	230	120	150
MC-US-3000	3000	460/3/60	6" FLG	R-134a	48	86	78	230	120	150

## Correction Factor

CORRECTION FACTORS FOR MC AIR DRYERS									
Inlet Temperature (°F)	85	90	95	100	110	120	130	140	150
F1	1.20	1.14	1.08	1.00	0.75	0.60	0.50	0.45	0.35
Ambient Temperature (°F)	60	80	90	100	105	110	115	120	-
F2	1.12	1.08	1.06	1.00	0.96	0.90	0.80	0.65	-
Pressure (psi)	60	60	75	100	115	125	150	175	200
F3	0.75	0.77	0.85	1.00	1.06	1.10	1.16	1.25	1.30

### Correction sample:

If an air compressor delivers 200 scfm at 150 psi, the dryer inlet temperature is 130°F and ambient temperature is 115°F. Please choose your Dryer Model as follows:  $200 / 0.50 / 0.80 / 1.16 = 430$  scfm  
Dryer Model for this application is MC-US-500