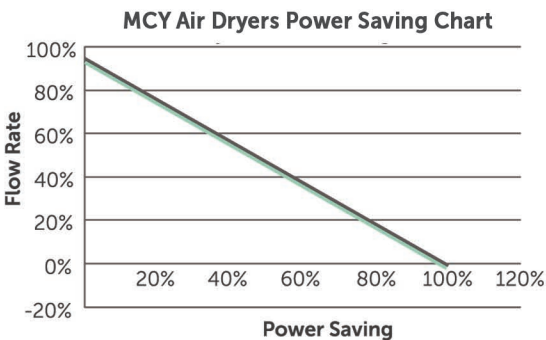




MCY Series (100 scfm - 5000 scfm)

Cycling (Thermal Mass) Air Dryers

MCY Air 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 **SAVE ENERGY** when the dryer has variable inlet flow.

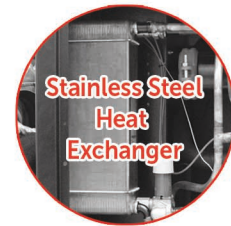


All components that are exposed to cooling liquid are either stainless steel (Heat exchanger, Tank, Pump) or Aluminum (Dryer heat exchanger). Therefore there is no risk of corrosion.

Max. Working Pressure (psi) : 230
 Max. Ambient Temperature (°F) : 120
 Max. Inlet Temperature (°F) : 150
 Refrigerant Gas : R134a

Technical Specifications

Model	Capacity (scfm)	Voltage	Connection Size	Replacement Filter Element Kit	Dimensions (inch)		
					Width	Length	Height
MCY-US-100	100	115/1/60	1 1/2" NPT	MKO-US-300-KIT	25.50"	26.65"	48.35"
MCY-US-125	125	115/1/60	1 1/2" NPT	MKO-US-300-KIT	25.50"	26.65"	48.35"
MCY-US-140	140	230/1/60	1 1/2" NPT	MKO-US-300-KIT	25.50"	26.65"	48.35"
MCY-US-175	175	230/1/60	2" NPT	MKO-US-500-KIT	28.55"	33.65"	59.25"
MCY-US-200	200	230/1/60	2" NPT	MKO-US-700-KIT	28.55"	33.65"	59.25"
MCY-US-250	250	230/1/60	2" NPT	MKO-US-700-KIT	28.75"	32.70"	69.50"
MCY-US-350	350	460/3/60	2" NPT	MKO-US-700-KIT	28.75"	32.70"	69.50"
MCY-US-425	425	460/3/60	2" NPT	MKO-US-700-KIT	28.75"	32.70"	69.50"
MCY-US-550	550	460/3/60	3" NPT	MKO-US-1100-KIT	31.5"	61"	68.50"
MCY-US-700	700	460/3/60	3" NPT	MKO-US-1100-KIT	31.5"	61"	68.50"
MCY-US-900	900	460/3/60	3" NPT	MKO-US-1600-KIT	34.65"	51.80"	70.50"
MCY-US-1100	1100	460/3/60	3" NPT	MKO-US-1600-KIT	34.65"	51.80"	70.50"
MCY-US-1350	1350	460/3/60	4" FLG	N/A	33.50"	55"	72.45"
MCY-US-1500	1500	460/3/60	4" FLG	N/A	33.50"	55"	72.45"
MCY-US-2000	2000	460/3/60	4" FLG	N/A	42.50"	63.80"	78.55"
MCY-US-2350	2350	460/3/60	4" FLG	N/A	42.50"	63.80"	78.55"
MCY-US-2750	2750	460/3/60	6" FLG	N/A	42"	86.25"	80"
MCY-US-3000	3000	460/3/60	6" FLG	N/A	42"	86.25"	80"
MCY-US-3600	3600	460/3/60	6" FLG	N/A	47.25"	114.20"	83.50"
MCY-US-4000	4000	460/3/60	8" FLG	N/A	47.25"	114.20"	83.50"
MCY-US-5000	5000	460/3/60	8" FLG	N/A	61"	100.50"	85.45"



Correction Factor

CORRECTION FACTORS FOR MCY 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 (psig)	50	60	75	100	115	125	150	175	200	230
F3	0.75	0.77	0.85	1.00	1.06	1.10	1.16	1.25	1.30	1.35

Correction sample:

If an air compressor delivers 180 scfm at 150 psi, the dryer inlet temperature is 130°F and ambient temperature is 115°F. Please choose your Dryer Model as follows; 180 / 1,16 / 0,50 / 0,80 = 390 scfm. Dryer Model for this application is MCY-US-425.