



## Ozen Refrigerated Air Drying Systems

ODRC Cycling (Thermal Mass)  
Refrigerated Air Dryers



# ODRC Series Cycling (Thermal Mass) Refrigerated Air Dryers



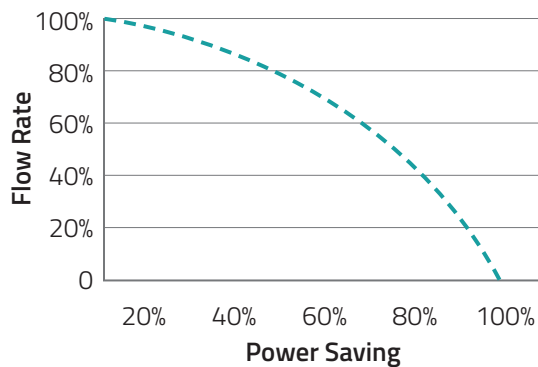
ODRC (100-5000 scfm)

ODRC series cycling air dryers cool down a special kind of fluid and store it in a stainless tank. This fluid, then, cools the compressed air by cycling inside the dryer. This technology saves energy in cases where the flow of compressed air tends to fluctuate.

In order to eliminate the risk of corrosion, product components that are in contact with the cold fluid, such as the heat exchanger, water tank and water pump, are made out of stainless steel or aluminum.



MCY Air Dryers Power Saving Chart



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

## Technical Specifications

Model	Capacity	Voltage	Coupling Size	Integrated Filter	Replacement Filter Type	Dimensions (inch)		
	scfm	V				W	L	H
ODRC-100	100	115/1/60	1 1/2" NPT	included	ODD-300-KIT	25.50	26.65	48.35
ODRC-125	125	115/1/60	1 1/2" NPT	included	ODD-300-KIT	25.50	26.65	48.35
ODRC-140	140	230/1/60	1 1/2" NPT	included	ODD-300-KIT	25.50	26.65	48.35
ODRC-175	175	230/1/60	2" NPT	included	ODD-300-KIT	28.55	33.65	59.25
ODRC-200	200	230/1/60	2" NPT	included	ODD-700-KIT	28.55	33.65	59.25
ODRC-250	250	230/1/60	2" NPT	included	ODD-700-KIT	28.75	32.70	69.50
ODRC-350	350	460/3/60	2" NPT	included	ODD-700-KIT	28.75	32.70	69.50
ODRC-425	425	460/3/60	2" NPT	included	ODD-700-KIT	28.75	32.70	69.50
ODRC-550	550	460/3/60	3" NPT	included	ODD-1100-KIT	31.50	61.00	68.50
ODRC-700	700	460/3/60	3" NPT	included	ODD-1100-KIT	31.50	61.00	68.50
ODRC-900	900	460/3/60	3" NPT	included	ODD-1600-KIT	34.65	51.80	70.50
ODRC-1100	1100	460/3/60	3" NPT	included	ODD-1600-KIT	34.65	51.80	70.50
ODRC-1350	1350	460/3/60	3" NPT	included	ODD-1600-KIT	33.50	55.00	72.45
ODRC-1500	1500	460/3/60	3" NPT	included	ODD-1600-KIT	33.50	55.00	72.45
ODRC-2000	2000	460/3/60	4" FLANGE	OFLF-2500 P/X/Y/A	OFLFe-2500 P/X/Y/A	42.50	63.80	78.55
ODRC-2350	2350	460/3/60	4" FLANGE	OFLF-2500 P/X/Y/A	OFLFe-2500 P/X/Y/A	42.50	63.80	78.55
ODRC-2750	2750	460/3/60	6" FLANGE	OFLF-3800 P/X/Y/A	OFLFe-3800 P/X/Y/A	42.00	86.25	80.00
ODRC-3000	3000	460/3/60	6" FLANGE	OFLF-3800 P/X/Y/A	OFLFe-3800 P/X/Y/A	42.00	86.25	80.00
ODRC-3600	3600	460/3/60	6" FLANGE	OFLF-3800 P/X/Y/A	OFLFe-3800 P/X/Y/A	47.25	114.20	83.50
ODRC-4000	4000	460/3/60	8" FLANGE	OFLF-6500 P/X/Y/A	OFLFe-6500 P/X/Y/A	47.25	114.20	83.50
ODRC-5000	5000	460/3/60	8" FLANGE	OFLF-6500 P/X/Y/A	OFLFe-6500 P/X/Y/A	61.00	100.50	85.45

CORRECTION FACTORS FOR ODDR DRYERS										
Inlet Temperature (°F)	85	90	95	100	110	120	130	140	150	-
X1	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	-	-
X2	1.12	1.08	1.06	1.00	0.96	0.9	0.8	0.65	-	-
Pressure (psi)	50	60	75	100	115	125	150	175	200	230
X3	0.75	0.77	0.85	1	1.06	1.1	1.16	1.25	1.3	1.35

- Max. working pressure: 230 psig.
- Max. ambient temperature: 120 °F.
- Max. inlet temperature: 140 °F
- Different voltage options are available.