

ODR Series Refrigerated Air Dryers



ODR Series

ODR Series Features

- 3°C Pressure Dew Point
- Very Low Pressure Drop
- Designed for extreme tropical conditions
- Dryer easily run with rated flow at 60°C max. inlet temperature and 55°C ambient temperature due to R134a refrigerant (all through the range) and oversized condenser

Digi-Pro Digital Control Unit

- Energy saving mode
- Digital dew-point gauge
- Temperature unit selection (Celsius/Fahrenheit)
- Ability to get status reports
- Periodical maintenance indicator
- Time counter



ESD Digital Control Unit

- Saves energy
- Automatic shutdown/economy mode when the air does not receive any air.
- Multi-parameter gauges
- Alarm signals



Technical Specifications

MODEL	Capacity 7 Bar, Max. 35 °C Inlet, 25 °C Ambient Temperature		Connection Size	Voltage V / - / Hz	Pressure Drop (mbar)	Max. Working Pressure (Bar)	Max. Ambient Temperature (°C)	Max. Inlet Temperature (°C)	Filter Model to be placed in the Dryer m3/h
	m ³ /min	cfm							
ODR 18	0.30	10.59	1/2"	230/1/50	100	16	50	60	GK045 MX+MY
ODR 30	0.50	17.66	1/2"	230/1/50	140	16	50	60	GK045 MX+MY
ODR 42	0.70	24.72	1/2"	230/1/50	220	16	50	60	GK045 MX+MY
ODR 55	0.92	32.49	1/2"	230/1/50	50	16	50	60	GK070 MX+MY
ODR 66	1.10	38.85	3/4"	230/1/50	100	16	50	60	GK0150 MX+MY
ODR 96	1.60	56.50	3/4"	230/1/50	150	16	50	60	GK0150 MX+MY
ODR 130	2.16	76.49	3/4"	230/1/50	100	16	50	60	GK0150 MX+MY
ODR 168	2.80	98.88	1 1/2"	230/1/50	150	16	50	60	GK0500 MX+MY
ODR 240	4.00	141.26	1 1/2"	230/1/50	80	16	50	60	GK0500 MX+MY
ODR 300	5.00	176.57	1 1/2"	230/1/50	120	16	50	60	GK0500 MX+MY
ODR 396	6.60	233.08	2"	230/1/50	100	16	50	60	GK0851 MX+MY
ODR 498	8.30	293.11	2"	230/1/50	100	16	50	60	GK01210 MX+MY
ODR 660	11.00	388.46	2"	230/1/50	120	16	50	60	GK01210 MX+MY
ODR 870	14.50	512.06	2"	230/1/50	220	16	50	60	GK01210 MX+MY
ODR 1110	18.50	653.32	3"	400/3/50	180	16	50	60	GK01820 MX+MY
ODR 1380	23.00	812.24	3"	400/3/50	120	16	50	60	GK01820 MX+MY
ODR 1710	28.50	1006.47	3"	400/3/50	220	16	50	60	GK02700 MX+MY
ODR 2220	37.00	1306.64	3"	400/3/50	170	16	50	60	GK02700 MX+MY
ODR 2664	44.40	1567.97	DIN 100	400/3/50	250	16	50	60	-
ODR 3132	52.20	1843.43	DIN 100	400/3/50	200	16	50	60	-
ODR 4068	67.80	2394.33	DIN 100	400/3/50	220	16	50	60	-
ODR 4680	78.00	2754.54	DIN 100	400/3/50	200	16	50	60	-
ODR 5580	93.00	3284.26	DIN 150	400/3/50	230	16	50	60	-
ODR 6300	105.00	3708.04	DIN 150	400/3/50	220	16	50	60	-
ODR 7200	120.00	4237.76	DIN 150	400/3/50	220	16	50	60	-
ODR 8400	140.00	4944.05	DIN 200	400/3/50	220	16	50	60	-
ODR 10000	166.67	5885.90	DIN 200	400/3/50	220	16	50	60	-

- Capacities are specified according to ISO 1217: 2009 Annex C with reference to 1 bar inlet pressure and 20 °C ambient temperature. Dew point is +3 °C.

Correction Factors for ODR Series Dryers								
Air Inlet Temperature °C	30	35	40	45	50	60	-	-
F1	1.29	1	0.92	0.78	0.65	0.45	-	-
Ambient Temperature °C	20	25	30	35	40	50	-	-
F2	1.05	1	0.98	0.93	0.84	0.7	-	-
Pressure Bar	4	6	7	8	10	12	14	16
F3	0.8	0.94	1	1.04	1.11	1.16	1.22	1.25

Correction Formula: Air Capacity of Compressor/F1/F2/F3= Dryer Capacity