

ODR Series Refrigerated Air Dryers



ODR

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
	m³/min	cfm							
ODR 18	0,30	10,59	1/2"	230/1/50	100	16	60	70	GK045 MX+MY
ODR 30	0,50	17,66	1/2"	230/1/50	140	16	60	70	GK045 MX+MY
ODR 42	0,70	24,72	1/2"	230/1/50	220	16	60	70	GK045 MX+MY
ODR 55	0,92	32,49	1/2"	230/1/50	50	16	60	70	GK070 MX+MY
ODR 66	1,10	38,85	3/4"	230/1/50	100	16	60	70	GK0150 MX+MY
ODR 96	1,60	56,50	3/4"	230/1/50	150	16	60	70	GK0150 MX+MY
ODR 130	2,16	76,49	3/4"	230/1/50	100	16	60	70	GK0150 MX+MY
ODR 168	2,80	98,88	1 1/2"	230/1/50	150	16	60	70	GK0500 MX+MY
ODR 240	4,00	141,26	1 1/2"	230/1/50	80	16	60	70	GK0500 MX+MY
ODR 300	5,00	176,57	1 1/2"	230/1/50	120	16	60	70	GK0500 MX+MY
ODR 396	6,60	233,08	2"	230/1/50	100	16	60	70	GK0851 MX+MY
ODR 498	8,30	293,11	2"	230/1/50	100	16	60	70	GK01210 MX+MY
ODR 660	11,00	388,46	2"	230/1/50	120	16	60	70	GK01210 MX+MY
ODR 870	14,50	512,06	2"	230/1/50	220	16	60	70	GK01210 MX+MY
ODR 1110	18,50	653,32	3"	400/3/50	180	16	60	70	GK01820 MX+MY
ODR 1380	23,00	812,24	3"	400/3/50	120	16	60	70	GK01820 MX+MY
ODR 1710	28,50	1006,47	3"	400/3/50	220	16	60	70	GK02700 MX+MY
ODR 2220	37,00	1306,64	3"	400/3/50	170	16	60	70	GK02700 MX+MY
ODR 2664	44,40	1567,97	DIN 100	400/3/50	250	16	60	70	-
ODR 3132	52,20	1843,43	DIN 100	400/3/50	200	16	60	70	-
ODR 4068	67,80	2394,33	DIN 100	400/3/50	220	16	60	70	-
ODR 4680	78,00	2754,54	DIN 100	400/3/50	200	16	60	70	-
ODR 5580	93,00	3284,26	DIN 150	400/3/50	230	16	60	70	-
ODR 6300	105,00	3708,04	DIN 150	400/3/50	220	16	60	70	-
ODR 7200	120,00	4237,76	DIN 150	400/3/50	220	16	60	70	-
ODR 8400	140,00	4944,05	DIN 200	400/3/50	220	16	60	70	-
ODR 10000	166,67	5885,90	DIN 200	400/3/50	220	16	60	70	-

- 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									