

# ODRE Series Refrigerated Air Dryers

## ODRE Series

ODRE series refrigerated air dryers offer economical and desired quality solutions for many industries that require dry air. It is designed to consume minimum energy with the right components.

High energy saving R134a gas is standard in all dryer models. Thanks to the thermodynamic properties of R134a, which is ideal for both low and high heat applications, it is possible to operate at lower pressures than other dryers.

Thanks to its design, it provides superior performance even at a maximum inlet temperature of 60 °C. With the control unit located on the dryer, it is easy to monitor the actual dew point and to determine the dryer's periodical service and maintenance needs.



## 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
	m³/min	cfm							
ODRE 23	0.38	23	1/2"	230/1/50	100	16	45	50	GK045 MX+MY
ODRE 38	0.63	38	1/2"	230/1/50	140	16	45	50	GK045 MX+MY
ODRE 53	0.88	53	1/2"	230/1/50	220	16	45	50	GK045 MX+MY
ODRE 70	1.17	70	1/2"	230/1/50	50	16	45	50	GK070 MX+MY
ODRE 100	1.66	100	3/4"	230/1/50	100	16	45	50	GK0150 MX+MY
ODRE 155	2.58	155	3/4"	230/1/50	150	16	45	50	GK0150 MX+MY
ODRE 190	3.16	190	3/4"	230/1/50	100	16	45	50	GK0150 MX+MY
ODRE 210	3.5	210	1 1/2"	230/1/50	150	16	45	50	GK0500 MX+MY
ODRE 305	5.08	305	1 1/2"	230/1/50	80	16	45	50	GK0500 MX+MY
ODRE 375	6.25	375	1 1/2"	230/1/50	120	16	45	50	GK0500 MX+MY
ODRE 495	8.25	495	2"	230/1/50	100	16	45	50	GK0851 MX+MY
ODRE 623	10.38	623	2"	230/1/50	100	16	45	50	GK01210 MX+MY
ODRE 930	15.5	930	2"	230/1/50	120	16	45	50	GK01210 MX+MY
ODRE 1200	20	1200	2"	230/1/50	220	16	45	50	GK01210 MX+MY
ODRE 1388	23.13	1388	3"	400/3/50	180	16	45	50	GK01820 MX+MY
ODRE 1800	30	1800	3"	400/3/50	120	16	45	50	GK01820 MX+MY
ODRE 2500	41.66	2500	3"	400/3/50	220	16	45	50	GK02700 MX+MY
ODRE 2775	46.25	2775	3"	400/3/50	170	16	45	50	GK02700 MX+MY
ODRE 3330	55.5	3330	DIN 100	400/3/50	250	16	45	50	-
ODRE 3915	65.25	3915	DIN 100	400/3/50	200	16	45	50	-
ODRE 5085	84.75	5085	DIN 100	400/3/50	220	16	45	50	-
ODRE 5850	97.5	5850	DIN 100	400/3/50	200	16	45	50	-
ODRE 6975	116.25	6975	DIN 150	400/3/50	230	16	45	50	-
ODRE 7875	131.25	7875	DIN 150	400/3/50	220	16	45	50	-
ODRE 9000	150	9000	DIN 150	400/3/50	220	16	45	50	-
ODRE 10500	175	10500	DIN 200	400/3/50	220	16	45	50	-
ODRE 12500	200	12500	DIN 200	400/3/50	220	16	45	50	-

Correction Factors for ODRE Series Dryers									
Air Inlet Temperature °C	30	35	40	45	50	60	-	-	-
F1	1.29	1	0.92	0.7	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									

- 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 +10 °C.