Ozen Refrigerated **Air Drying Systems**

Ozen Desiccant **Air Drying Systems**

Ozen Air Filtration **Water Separation and Service Elements**

ODR, OCD, ELM Series
AIR TREATMENT EQUIPMENT

ozen® KOMPRESÖR

EXCLUSIVELY COMPRESSED **AIR SOLUTIONS**

THE DETAILS THAT DELIVER
THE RIGHT RESULTS...

EXPERIENCE
Ozen Kompresor, with its industry experience of half-a-century and its large portfolio of compressed air products, provides, reliable, efficient and smart solutions.

TRUST
Ozen's dedication to customer satisfaction has helped the company to build lasting relationships of trust and loyalty with its customers.

DURABLE & EFFICIENT
All of the compressed air equipment in Ozen's portfolio have proven their durability under the toughest conditions. They provide high-quality, high-efficiency air.

QUALITY
Manufacturing consistently high-quality products is one of Ozen's fundamental tenets. To that end, Ozen continuously enhances its quality policies.

ozen®
KOMPRESÖR

TECHNOLOGY

Ozen Kompresor is innovative. It always uses up-to-date technologies in compliance with world-standards.

R & D

With its creative team and modern infrastructure, Ozen is capable of developing its own technology through collaborations with several universities.

STRONG SERVICE NETWORK

Ozen Kompresor believes in maintainability. Its customers can enjoy uninterrupted manufacturing thanks to its accessible, fast and reliable service network.

COMPETITIVE

Ozen Kompresor acts in favor of its customers. Providing them with leverage is one of Ozen's strong suits.

RESPECT FOR THE ENVIRONMENT

Striving for a sustainable future, Ozen Kompresor selects for environmentally friendly practices and takes all necessary precautions while structuring its work processes.

Ozen Refrigerated Air Drying Systems

ODR and ODRE Series Refrigerated Air Dryers

ODR ve ODRE Series

Supply of clean and dry air is essential for all companies that require air for their production. In order not to compromise the quality of the end product and to protect the equipment from corrosion, the air that comes out of the compressors must be filtered to clean it from all kinds of dirt and humidity.

Ozen refrigerated air dryers ensure the quality and continuity of your production by eliminating the particles and humidity from your compressed air system.

Ozen only uses environmentally friendly R134a gas in its dryers. 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. Since it is designed to accommodate extreme tropical climates, the dryer provides high performance at ambient temperatures of up to 60°C. With the Digi-Pro control unit, it is easy to monitor the actual dew-point and determine the dryer's periodical service and maintenance needs.

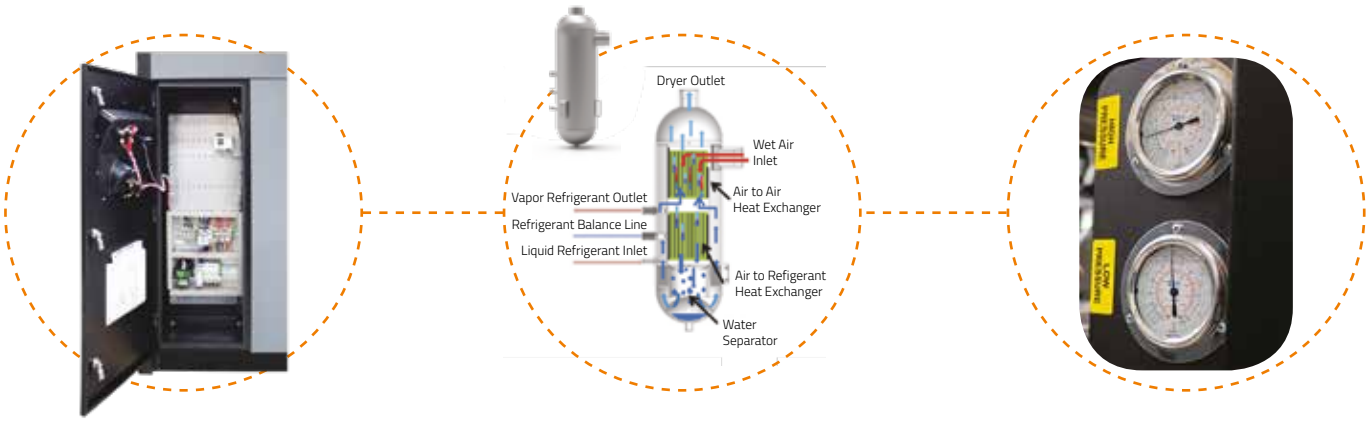
The strategic positioning of the electrical panel makes it easily accessible without having to open the product covers.

Compact Design

- The aluminum plate heat exchanger, which is standard, generates minimum pressure drop, maximum heat transmission, and high-performance water separation.
- Compact design provides ease of installation and small space compatibility.
- Absorption and purge pressure gauges are connected to the cooling cycle.
- Electrical and mechanical panels are separated.
- Easy access to the electrical panel of the product.

ODR and ODRE Series Refrigerated Air Dryers

ODR ve ODRE Series

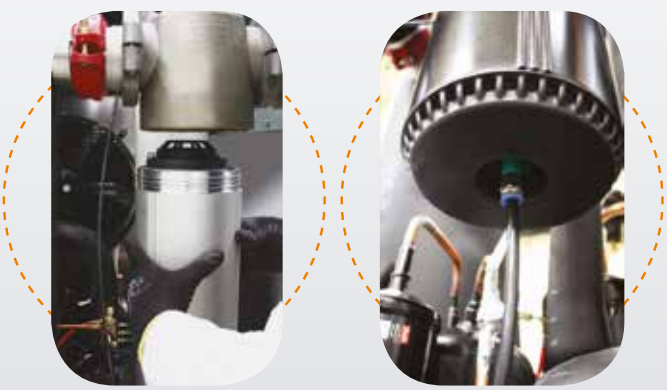


Integrated Filters

- Standard filters located inside the dryer eliminate the need to install separate filters and external piping at the inlet and outlet points of the dryer. (up to ODR 2220)
- Oversized (above capacity) filters are chosen to extend lifetime.

Ease of Service

- Easy service and maintenance, thanks to the screwless panels with plastic handles.
- Filter components that can be easily replaced in small areas.
- Ease of assembly and disassembly with grooved couplings and pipe.
- Standard spare manual discharge connections.
- Service, maintenance and operating hour counter notification signals.
- Manual discharge valves on the filters make it possible to instantly lower the pressure during service.



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

Technicial 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							
ODR 18	0.30	10.59	1/2"	230/1/50	100	16	50	60	GKO45 MX+MY
ODR 30	0.50	17.66	1/2"	230/1/50	140	16	50	60	GKO45 MX+MY
ODR 42	0.70	24.72	1/2"	230/1/50	220	16	50	60	GKO45 MX+MY
ODR 55	0.92	32.49	1/2"	230/1/50	50	16	50	60	GKO70 MX+MY
ODR 66	1.10	38.85	3/4"	230/1/50	100	16	50	60	GKO150 MX+MY
ODR 96	1.60	56.50	3/4"	230/1/50	150	16	50	60	GKO150 MX+MY
ODR 130	2.16	76.49	3/4"	230/1/50	100	16	50	60	GKO150 MX+MY
ODR 168	2.80	98.88	1 1/2"	230/1/50	150	16	50	60	GKO500 MX+MY
ODR 240	4.00	141.26	1 1/2"	230/1/50	80	16	50	60	GKO500 MX+MY
ODR 300	5.00	176.57	1 1/2"	230/1/50	120	16	50	60	GKO500 MX+MY
ODR 396	6.60	233.08	2"	230/1/50	100	16	50	60	GKO851 MX+MY
ODR 498	8.30	293.11	2"	230/1/50	100	16	50	60	GKO1210 MX+MY
ODR 660	11.00	388.46	2"	230/1/50	120	16	50	60	GKO1210 MX+MY
ODR 870	14.50	512.06	2"	230/1/50	220	16	50	60	GKO1210 MX+MY
ODR 1110	18.50	653.32	3"	400/3/50	180	16	50	60	GKO1820 MX+MY
ODR 1380	23.00	812.24	3"	400/3/50	120	16	50	60	GKO1820 MX+MY
ODR 1710	28.50	1006.47	3"	400/3/50	220	16	50	60	GKO2700 MX+MY
ODR 2220	37.00	1306.64	3"	400/3/50	170	16	50	60	GKO2700 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								

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.

Technicial 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							
ODRE 23	0.38	23	1/2"	230/1/50	100	16	45	50	GKO45 MX+MY
ODRE 38	0.63	38	1/2"	230/1/50	140	16	45	50	GKO45 MX+MY
ODRE 53	0.88	53	1/2"	230/1/50	220	16	45	50	GKO45 MX+MY
ODRE 70	1.17	70	1/2"	230/1/50	50	16	45	50	GKO70 MX+MY
ODRE 100	1.66	100	3/4"	230/1/50	100	16	45	50	GKO150 MX+MY
ODRE 155	2.58	155	3/4"	230/1/50	150	16	45	50	GKO150 MX+MY
ODRE 190	3.16	190	3/4"	230/1/50	100	16	45	50	GKO150 MX+MY
ODRE 210	3.5	210	1 1/2"	230/1/50	150	16	45	50	GKO500 MX+MY
ODRE 305	5.08	305	1 1/2"	230/1/50	80	16	45	50	GKO500 MX+MY
ODRE 375	6.25	375	1 1/2"	230/1/50	120	16	45	50	GKO500 MX+MY
ODRE 495	8.25	495	2"	230/1/50	100	16	45	50	GKO851 MX+MY
ODRE 623	10.38	623	2"	230/1/50	100	16	45	50	GKO1210 MX+MY
ODRE 930	15.5	930	2"	230/1/50	120	16	45	50	GKO1210 MX+MY
ODRE 1200	20	1200	2"	230/1/50	220	16	45	50	GKO1210 MX+MY
ODRE 1388	23.13	1388	3"	400/3/50	180	16	45	50	GKO1820 MX+MY
ODRE 1800	30	1800	3"	400/3/50	120	16	45	50	GKO1820 MX+MY
ODRE 2500	41.66	2500	3"	400/3/50	220	16	45	50	GKO2700 MX+MY
ODRE 2775	46.25	2775	3"	400/3/50	170	16	45	50	GKO2700 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.

ODR HP Series High Pressure Air Dryers

ODR HP Series

Ozen Kompresor dryers, which stand out with their efficiency and durability, have set a standard with their performance. Patented and uniquely designed heat exchangers are produced from corrosion resistant and high strength thick stainless tubes.

- Long-lasting heat exchangers with quality materials and robust design.
- Air perforated copper plates welded to steel tubes with the latest technology
- Low pressure drop provides energy savings and reduces operating costs.
- Responds to all capacity and power needs
- The footprint is small with its small and compact design.

40 BAR
HIGH PRESSURE

Technicial Specifications

MODEL	Flow (m3/min)	Flow (m3/h)	Voltage V / ~ / Hz	Inlet - Outlet Connection Size	Recommended Filters	Max. Working Pressure (Bar)	Max. Ambient Temperature °C	Max. Inlet Temperature °C
ODR 50 HP	0,83	50	230V / 1 / 50 Hz	3/4"	OFL 100 HG-MX-MY-MA	50	55	60
ODR 90 HP	1,50	90	230V / 1 / 50 Hz	3/4"	OFL 100 HG-MX-MY-MA	50	55	60
ODR 150 HP	2,50	150	230V / 1 / 50 Hz	3/4"	OFL 300 HG-MX-MY-MA	50	55	60
ODR 220 HP	3,67	220	230V / 1 / 50 Hz	3/4"	OFL 300 HG-MX-MY-MA	50	55	60
ODR 300 HP	5,00	300	230V / 1 / 50 Hz	1 1/4"	OFL 300 HG-MX-MY-MA	50	55	60
ODR 400 HP	6,67	400	230V / 1 / 50 Hz	1 1/4"	OFL 600 HG-MX-MY-MA	50	55	60
ODR 500 HP	8,33	500	230V / 1 / 50 Hz	1 1/4"	OFL 600 HG-MX-MY-MA	50	55	60
ODR 575 HP	9,58	575	230V / 1 / 50 Hz	1 1/4"	OFL 600 HG-MX-MY-MA	50	55	60
ODR 775 HP	12,92	775	230V / 1 / 50 Hz	1 1/4"	OFL 850 HG-MX-MY-MA	50	55	60
ODR 910 HP	15,17	910	230V / 1 / 50 Hz	1 1/4"	OFL 1200 HG-MX-MY-MA	50	55	60
ODR 1000 HP	16,67	1000	230V / 1 / 50 Hz	2"	OFL 1200 HG-MX-MY-MA	50	55	60
ODR 1160 HP	19,33	1160	230V / 1 / 50 Hz	2"	OFL 1200 HG-MX-MY-MA	50	55	60
ODR 1500 HP	25,00	1500	230V / 1 / 50 Hz	2"	OFL 1600 HG-MX-MY-MA	50	55	60
ODR 1600 HP	26,67	1600	400V / 3 / 50 Hz	2"	OFL 1600 HG-MX-MY-MA	50	55	60
ODR 1800 HP	30,00	1800	400V / 3 / 50 Hz	2"	OFL 2500 HG-MX-MY-MA	50	55	60
ODR 2200 HP	36,67	2200	400V / 3 / 50 Hz	2 1/2"	OFL 2500 HG-MX-MY-MA	50	55	60
ODR 2500 HP	41,67	2500	400V / 3 / 50 Hz	2 1/2"	OFL 2500 HG-MX-MY-MA	50	55	60
ODR 2700 HP	45,00	2700	400V / 3 / 50 Hz	2 1/2"	OFL 3000 HG-MX-MY-MA	50	55	60
ODR 3000 HP	50,00	3000	400V / 3 / 50 Hz	2 1/2"	OFL 3000 HG-MX-MY-MA	50	55	60
ODR 3300 HP	55,00	3300	400V / 3 / 50 Hz	2 1/2"	OFL 3000 HG-MX-MY-MA	50	55	60
ODR 3600 HP	60,00	3600	400V / 3 / 50 Hz	2 1/2"	OFL 3000 HG-MX-MY-MA	50	55	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.

Pressure (Bar)	20	25	30	35	40	45	50	-	-	-	-
F1	1.19	1.1	1.07	1.04	1.02	1	0.98	-	-	-	-
Ambient Temperature °C	-	-	-	-	20	25	30	35	40	42	-
F2	-	-	-	-	0.93	1	1.07	1.15	1.22	1.27	-
Inlet Temperature °C	-	-	-	-	30	35	40	45	50	55	60
F3	-	-	-	-	0.83	1	1.18	1.38	1.59	1.83	2.04

- Max. Pressure 50 Barg - Nominal Working Pressure 40 Barg