

OCD-H Series Heated Desiccant Air Dryers

OCD-H Series



In the OCD-H series heated desiccant dryers, the regeneration of the dehumidifier can be achieved without loss of compressed air by means of centrifugal blower motor and high efficiency heater. The completely automatic drying system uses blower to pull ambient air and pass it through the heater.

- This is a double-tank system.
- The first tank, which has high hygroscopic impact resistance and a large surface area, separates the moisture from the compressed air.
- The second tank simultaneously performs the drying process with regeneration. The tank with the saturated desiccant is dried with the help of super dry air at atmospheric pressure.
- The hot air stream flows opposite to drying flow direction.
- The advanced control system monitors the dew point and adjusts the heating/regeneration accordingly thereby providing valuable energy savings.

Features

- Dew point indicator
- Remote control
- Computer control
- Status display
- Alarm and pressure indicator
- Low pressure alarm
- Minimum pressure check valve
- High pressure switches and warning
- Heated and heatless option

MODEL	Capacity		Filter Set	Connection Size	Pressure Drop (mbar)	Dew Point (°C)	Max. Inlet Temperature (°C)	Power (kW)
	m ³ /min	m ³ /h						
OCD-H 850	14.2	850	GK0851 MX-MY-MP(H)	2"	-130	-70	50	6,5
OCD-H 1000	16.6	1.000	GK01210 MX-MY-MP(H)	2"	-130	-70	50	7,5
OCD-H 1250	20.8	1.250	GK01820 MX-MY-MP(H)	DN 80	-130	-70	50	8
OCD-H 1500	25	1.500	GK01820 MX-MY-MP(H)	DN 80	-130	-70	50	10
OCD-H 1800	30	1.800	GK01820 MX-MY-MP(H)	DN 80	-130	-70	50	12
OCD-H 2200	36.6	2.200	GK02200 MX-MY-MP(H)	DN 80	-130	-70	50	17
OCD-H 2700	45	2.700	GK02700 MX-MY-MP(H)	DN 80	-130	-70	50	19
OCD-H 3200	53.3	3.200	F3600 MX-MY-MP(H)	DN 100	-130	-70	50	20
OCD-H 3600	60	3.600	F4800 MX-MY-MP(H)	DN 100	-130	-70	50	26
OCD-H4400	73.3	4.400	F4800 MX-MY-MP(H)	DN 100	-130	-70	50	28
OCD-H 5000	83.3	5.000	F7200 MX-MY-MP(H)	DN 125	-130	-70	50	33
OCD-H 6300	105	6.300	F7200 MX-MY-MP(H)	DN 150	-130	-70	50	35
OCD-H 7200	120	7.200	F9600 MX-MY-MP(H)	DN 150	-130	-70	50	40
OCD-H 8800	146.6	8.800	F9600 MX-MY-MP(H)	DN 150	-130	-70	50	56
OCD-H 10800	180	10.800	F12000 MX-MY-MP(H)	DN 200	-130	-70	50	75

- Capacities are specified according to ISO 1217 Annex C with reference to 1 bar inlet pressure and 20 °C ambient temperature.

- Dew point: -40°C
- Normal inlet temperature: 35°C
- Normal working pressure: 7 bar

- Max. inlet temperature: 45°C
- Max. working pressure: 10 bar
- Max. ambient temperature: 40°C

Correction Factors							
(barg)	4.5	5	6	7	8	9	10
Pressure Factor F1	0.69	0.75	0.88	1	1.12	1.25	1.37
Air Inlet Temperature (°C)	20	25	30	35	40	45	50
Air Inlet Factor F2	1	1	1	1	0.8	0.73	0.59