Ozen Desiccant Air Drying Systems

ODBP Blower Purge Heated Desiccant Air Dryers

ODBP Series Blower Purge Heated Desiccant Air Dryers

ODBP (500-10000 scfm)

The high-efficiency heater and the centrifugal blower motor perform the regeneration of the desiccant with no air loss. In the automatic system, the motor draws the atmospheric air in and dries it by passing it through the heater. The hot air flows in the reverse direction of the dryer air. Advanced electronic control system saves energy by enabling the adjustment of the dew-point and the regeneration.

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

Technical Specifications

Model	Inlet Flow Rate	Voltage	Coupling Size	Pressure Drop	Max Working Pressure
	cfm	V		psi	psi
ODBP-500	500	460/3/60	2" NPT	≤2	200
ODBP-600	600	460/3/60	2" NPT	≤2	200
ODBP-800	800	460/3/60	3" Flanged	≤2	200
ODBP-1000	1000	460/3/60	3" Flanged	≤2	200
ODBP-1250	1250	460/3/60	3" Flanged	≤2	200
ODBP-1500	1500	460/3/60	3" Flanged	≤2	200
ODBP-2000	2000	460/3/60	4" Flanged	≤2	200
ODBP-2500	2500	460/3/60	4" Flanged	≤2	200
ODBP-3000	3000	460/3/60	6" Flanged	≤2	200
ODBP-4000	4000	460/3/60	6" Flanged	≤2	200
ODBP-5000	5000	460/3/60	6" Flanged	≤2	200
ODBP-7000	7000	460/3/60	8" Flanged	≤2	200
ODBP-8000	8000	460/3/60	8" Flanged	≤2	200
ODBP-9000	9000	460/3/60	10" Flanged	≤2	200
ODBP-10000	10000	460/3/60	10" Flanged	≤2	200

- Max. working pressure: 200 psig.
- Max. ambient temperature: 120 °F.
- Max. inlet temperature: 100 °F
- Pressure Dew point: -40 °F

CORRECTION FACTORS FOR ODRD DRYERS													
Pressure (psi)	50	60	70	80	90	100	110	120	130	140	150	175	200
X1	0.56	0.65	0.74	0.83	0.91	1.00	1.06	1.08	1.12	1.16	1.20	1.29	1.37
Inlet Temperature (°F)	70	80	90	100	105	110	115	120	-	-	-	-	-
X2	1.12	1.09	1.06	1	0.93	0.86	0.8	0.75	-	-	-	-	-