

KDP SERIES BLOWER PURGE HEATED DESICCANT AIR DRYERS

The regeneration process at KDP series blower purge heated desiccant dryers provide by centrifugal blower and high efficient heater. By this way compressed air will save as using service air requirement for desiccant dryer. The complete automatic drying system use ambient air for cooling does not need compressed air. The hot air stream flows opposite with drying flow direction. The hot air which reach above of 200 °C temperature, provide re-generation for desiccant bed and remove moisture completely that hold by desiccant. For providing real energy save advanced control system the dew point meter measure continuously the dew point for performing heating stage and re-generation processes. All heating section has well isolated for providing efficiency.



STANDARD PROPERTIES FOR KDP SEIRES BLOWER PURGE HEATED DESICCANT DRYERS

- Displaying and adjustment dew point by dew point meter
- Computer control
- Display working mode, alarms and pressure
- Remote control
- Low pressure alarm
- Minimum pressure valve with indicator
- High pressure safety and alarms

Available Dew Point: -40 °C
 Normal Inlet Temperature: 35 °C
 Maximum Inlet Temperature: 45 °C
 Normal Working Pressure: 7 bar
 Maximum Working Pressure: 10 bar
 Maximum Ambient Temperature: 40 °C

Correction Factors							
Bar(g)	4,5	5	6	7	8	9	10
Pressure Factor F1	0.69	0.75	0.88	1	1.12	1.25	1.37
Inlet Temperature (°C)	20	25	30	35	40	45	50
Air inlet Factor 7F2	1	1	1	1	0.80	0.73	0.59

Model	Capacity	Connection Size	Pressure Drop (mbar)	Max. Working Pressure	Voltage	Power (kw)	Fuse (Amper)	Activated Alumina	Sizes (mm)		
									Width	Lenght	Height
KDP850	850	2"	≤130	10	230/1/50	9,4	40	264	1290	1180	2299
KDP1000	1000	2"	≤130	10	230/1/50	9,4	40	357	1200	1310	2415
KDP1250	1250	DN80	≤130	10	230/1/50	12	50	404	1610	1270	2468
KDP1500	1500	DN80	≤130	10	230/1/50	12	50	454	1610	1270	2563
KDP1800	1800	DN80	≤130	10	230/1/50	14,5	63	566	1563	1515	2479
KDP2200	2200	DN80	≤130	10	230/1/50	17,5	63	708	1563	1455	2789
KDP2700	2700	DN80	≤130	10	230/1/50	21,4	100	852	1615	1514	2836
KDP3200	3200	DN100	≤130	10	230/1/50	21,4	100	954	1710	1660	3054
KDP3600	3600	DN100	≤130	10	230/1/50	31,1	125	1070	1710	1660	3268
KDP4400	4400	DN100	≤130	10	230/1/50	36,1	125	1436	1975	2492	2910
KDP5000	5000	DN125	≤130	10	230/1/50	39,4	160	1670	2045	2560	3382
KDP6300	6300	DN150	≤130	10	230/1/50	49,4	200	2016	2090	2963	3328
KDP7200	7200	DN150	≤130	10	230/1/50	49,4	200	2446	2020	3363	3047
KDP8800	8800	DN150	≤130	10	230/1/50	72,3	260	2906	2020	3363	3341
KDP10800	10800	DN200	≤130	10	230/1/50	78,7	320	3354	2492	3481	3765