

3. Blower Purge Desiccant Dryers

AK-DAB/AK-DAC 6001 – 160001 – Blower Purge Cooling

AK-DAB/AK-DAC 20002 – 160002 – Zero Purge Cooling

AK-DAB/AK-DAC 6001 – 160001 – Blower Purge Cooling

These dryers have been designed to produce compressed dry air on more than -40°C and -70°C dew points and at the rate of dried compressed air by 2% dry air loss handling system. That air loss is reducible to a minimum depending on the dew point controller addition. The operation is achievable by producing regeneration air by a blower and resistance heater.

AK-DAB/AK-DAC 20002 – 160002 – Zero Purge Cooling

These dryers have been designed to produce compressed air on more than -40°C and -70°C dew points and based on the delivery of dried compressed air without any loss to plant handling systems. That operation is achievable by producing air by blower and resistance heater and cooler.

AK-DAB/AK-DAC BLOWER PURGE DESICCANT DRYERS TECHNICAL DATA									
Model	AK-DAB AK-DAC Pressure Dew Point		L/MIN	M ³ /hr	CFM	Inlet/Outlet	HEIGHT	WIDTH	DEPTH
6001	-40	-70	6000	360	212	1 1/2"	1750	800	1250
9001	-40	-70	9000	540	318	1 1/2"	1800	900	1400
12001	-40	-70	12000	720	424	2"	1850	1000	1500
16001	-40	-70	16000	960	565	2"	1900	1000	1500
20001	-40	-70	20000	1200	707	DN80	2580	1200	1800
25001	-40	-70	25000	1500	883	DN80	2600	1200	1800
30001	-40	-70	30000	1800	1060	DN80	2700	1300	2400
40001	-40	-70	40000	2400	1412	DN100	2950	1350	2500
50001	-40	-70	50000	3000	1766	DN100	2950	1450	2600
75001	-40	-70	75000	4500	2649	DN125	2950	1550	2750
95001	-40	-70	95000	5700	3355	DN150	2950	2200	3000
120001	-40	-70	120000	7200	4238	DN150	2950	2200	3200
160001	-40	-70	160000	9600	5660	DN150	2950	2500	3400

Correction Factors For Different Working Pressures							
Bar	4	5	6	7	8	9	10
Fc:T	0.6	0.74	0.86	1	1.1	1.2	1.3

Correction Factors For Inlet Temperature Working Pressure						
°C	25	30	35	40	45	50
Fc:T	1.1	1.05	1	0.9	0.7	0.6

AK-DAB/AK-DAC ZERO PURGE COOLING DESICCANT DRYERS TECHNICAL DATA									
Model	AK-DAB AK-DAC Pressure Dew Point		Lt/Min	M ³ /hr	CFM	Inlet/Outlet size	Height	Width	Depth
20002	-40	-70	20000	1200	707	DN80	2580	1200	1800
25002	-40	-70	25000	1500	883	DN80	2600	1200	1800
30002	-40	-70	30000	1800	1060	DN80	2700	1300	2400
40002	-40	-70	40000	2400	1412	DN100	2950	1350	2500
50002	-40	-70	50000	3000	1766	DN100	2950	1450	2600
75002	-40	-70	75000	4500	2649	DN125	2950	1550	2750
95002	-40	-70	95000	5700	3355	DN150	2950	2200	3000
120002	-40	-70	120000	7200	4238	DN150	2950	2200	3200
160002	-40	-70	160000	9600	5660	DN150	2950	2500	3400