



درایرهای تبریدی

Refrigerated Air Dryer

Capacity :	1.2-300	[Nm ³ /min]
	42.37-10593	[SCFM]
	67.6-338	[°F]
Pressure dew point :	2-10	[°C]

Refrigerated Dryer Advantages :

- Ripple pipelines of the heat exchanger increase the using rate of cooling air.
- Evaporator is made from laminose copper pipeline with aluminum flake , high efficiency and low energy consumption.
- Good drainage system, adopts 3 grades for draining, drain out lots of condensate water and oil , so as to keep clean and dry compressed air.
- Easy for installation and free-maintenance.
- Condenser made from fin copper , good heat exchanging rate without freeze and jam.

Refrigerated Air Dryer Technical Parameters:

Items	DAD-1HT	DAD-2HT	DAD-3HT	DAD-6HT	DAD-8HT	DAD-10H	DAD-13H	DAD-15H	DAD-20HT	DAD-25HT	DAD-30HT	DAD-40HT	DAD-50HT	DAD-60HT
	F	F	F	F	F	TF	TF	TF	(N)F	(N)F	(N)F	(N)F	(N)F	(N)F
Capacity(Nm ³ /min)	1.2	2.4	3.8	6.5	8.5	10.7	13.5	18	25	28	33	45	55	65
Voltage(V/Hz)	220/50	220/50	220/50	220/50	220/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50
Compressor Power(HP/KW)	1/0.85	1/0.85	1.25/0.9	1.5/1.1	2.5/1.8	3/2.5	3/2.5	3.6/3	5.0/4.0	6.0/4.5	7.5/6.5	10.5/8.8	12/10.2	15/13
Fan Power(W)	90	90	140	180	180	2*140	2*140	2*140	4(2)*180	4(2)*220	6(3)*250	6(3)*250	6(3)*450	8(4)*180
Air Inlet/ Outlet Pipe Diameter	ZG1	ZG1	ZG1.5	ZG1.5	ZG1.5	ZG2	ZG2	DN68	DN80	DN80	DN100	DN100	DN125	DN125
Weight	50	80	105	150	160	240	260	310	400	450	780	820	900	1100
Dimensions	L(mm)	630	700	850	880	1180	1180	1360	1360	1650	1670	2000	2350	2550
	W(mm)	450	450	500	550	670	670	710	710	750	750	950	1050	1100
	H(mm)	640	830	920	1020	1020	1080	1080	1220	1220	1290	1575	1740	1910

The Technical Parameter Of Water Cooling Type Air Dryer:

Items	DAD-10HT(N)	DAD-20HT(N)	DAD-30HT(N)	DAD-40HT(N)	DAD-50HT(N)	DAD-60HT(N)	DAD-80HT(N)	DAD-100HT(N)	DAD-150HT(N)	DAD-200HT(N)	DAD-300HT(N)
	W	W	W	W	W	W	W	W	W	W	W
Capacity(Nm ³ /min)	10.7	25	33	45	55	65	85	110	160	220	300
Voltage(V/Hz)	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50
Compressor Power(HP/ KW)	3/2.5	5.0/4.0	7.5/6.1	10.5/8.0	12/9.0	15/11.3	20/16	25/19	36/27	50/38	80/60
Cooling Circulating Water Capacity(m ³ /h)	3.0(1.8)	7.2(3.6)	11.2(5.9)	14.5(7.2)	19.5(9.2)	21.8(10.8)	25.5(12.4)	29.5(14.6)	38(18.6)	48.8(24.4)	72(36)
Air Inlet/ Outlet Pipe Diameter	ZG2	DN80	DN100	DN100	DN125	DN125	DN150	DN150	DN200	DN200	DN250
Condenser Water Pipe Diameter	ZG1	ZG1.5	ZG1.5	ZG1.5	ZG2	ZG2	ZG2	ZG2	ZG2.5	ZG2.5	ZG3
Weight	260	430	860	980	1150	1250	1600	2200	3000	3200	4100
Dimensions	L(mm)	1180	1360	1650	1850	2100	2280	2420	2750	3108	4100
	W(mm)	670	710	950	850	920	1300	1340	1350	1400	4000
	H(mm)	1080	1220	1590	1630	1645	1880	1900	2004	2122	2580

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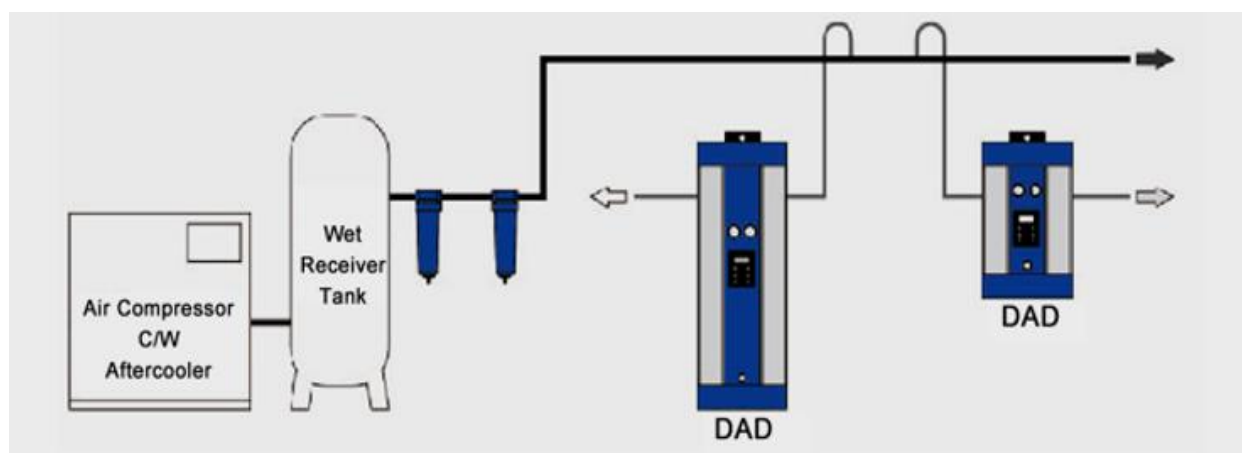
Adsorption Dryer

DAD Series Adsorption Dryer:

Our main principle in line with the customer's interests, through continuous efforts, innovation and research, we introduced a new regenerative air filtration system with more complete features, efficient, energy-saving, high reliability, cost-saving, less installation space and easy maintenance. We are grand launch of a new generation of heatless regeneration adsorption drying system product, DAD series. Its compact, and function is more complete, high efficient, simple to operate, economical, high energy saving, more reliability, more space saving installation and maintenance is convenient.



Use of high efficiency refrigeration dryers and line filters fitted with condensate drains will remove water vapor, oil, and wear particles, in many cases it is not enough. Some production systems and processes demand and even higher quality of compressed air. DAD “end point of use” heatless regenerative adsorption dryers can provide the perfect air quality, without the need for drying the complete compressed air installation, which can be costly and unnecessary.



This range should also be used when the ambient temperature goes below freezing point, to avoid ice building in pipes and applications.




The DAD range is typically used in the chemical, food and pharmaceutical industry and whenever a PDP < 3°C is requested.

APPLICATIONS:

Heatless regenerative adsorption dryer is widely used in various industrial applications included



Adsorption Dryer Technical Parameters:

Type	Flow rate (7bar,Nm3/min)	Dimensions(mm)			Picture	
		Depth	Width	Height		
DAD-010	0.1	300	160	450		In small quantities
DAD-020	0.2	300	160	740		
DAD-025	0.25	300	160	940		
DAD-030	0.3	416	122	536		In large quantity
DAD-045	0.45	416	122	656		
DAD-060	0.6	416	122	816		
DAD-070	0.7	416	122	926		
DAD-100	1	416	122	1181		
DAD-120	1.2	615	263	1250		In small quantities
DAD-150	1.5	615	263	1480		
DAD-200	2	615	263	1900		
DAD-240	2.4	735	263	1250		
DAD-300	3	735	263	1480		
DAD-360	3.6	855	263	1250		
DAD-400	4	735	263	1900		

DAD-45-S	4.5	565	420	1750		In large quantity
DAD-60-S	6	685	420	1750		
DAD-75-S	7.5	805	420	1750		
DAD-88-S	8.8	925	420	1750		
DAD-110-S	11	1045	420	1750		
DAD-132-S	13.2	1165	420	1750		
DAD-154-S	15.4	1285	420	1750		
DAD-176-S	17.6	1405	420	1750		
DAD-198-S	19.8	1525	420	1750		
DAD-220-S	22	1050	656	1750		
DAD-264-S	26.4	1170	656	1750		
DAD-308-S	30.8	1290	656	1750		
DAD-352-S	35.2	1410	656	1750		
DAD-400-S	40	1530	656	1750		
DAD-440-S	44	1650	656	1750		



Capacity Correction Factors

In order to select the right adsorption dryer it is important to know the actual working condition and air consumption of the system. Based on the standard working conditions listed in the technical specifications and of the below mentioned correction factors you will be able to select the correct model, to suit the application.

Inlet pressure barg(psig)	4(58)	5(72)	6(87)	7(100)	8(116)	9(130)	10(145)	11(116)	12(174)	13(189)	14(203)	15(218)	16(232)
Correction factor	0.62	0.75	0.87	1.00	1.12	1.25	1.37	1.50	1.62	1.75	1.87	2.00	2.12
Inlet temperature °C(°F)	20(68)	25(77)	30(86)	35(95)	40(104)	45(113)	50(112)						
Correction factor	1.07	1.06	1.04	1.00	0.88	0.78	0.55						
Pressure dew Point °C(°F)	-40(-40)	-70(-70)											
Correction factor	1	0.7											



درايرهای جذبی هیتز دار

Externally Heated Purge Desiccant Air Dryer

Capacity : 1.2~160 [Nm³/min]

42.37~5649.6 [SCFM]

-67.6~-2266 [°F]

Pressure dew point : -20~-70 [°C]

Externally heated purge desiccant air dryer advantages:

- Automatic control system and alarm device, ensure the safety and reliability.
- Air controlling dust filter prevents the dust from air controlling components, lower the valves failure rate.
- New design silencer is made from heat-resistant hyperfine sound-absorbing glass, the noise level $\leq 72\text{dB(A)}$.
- Stainless steel disperser stabilizes, disperses and filters the air flow.
- High quality desiccant activated aluminum or molecular sieve, long service life.

Externally Heated Purge Desiccant Air Dryer Technical Parameters:

Type	Capacity(Nm ³ /min)	Heater Power(KW)	Air Inlet/Outlet Pipe Diameter	Dimensions(mm)			Weight(Kg)
				L	W	H	
DAD-1MXF	1.2	1.5	ZG1	800	480	1420	145
DAD-2MXF	2.4	1.5	ZG1	800	480	1520	200
DAD-3MXF	3.8	1.5	ZG1.5	1000	525	1600	330
DAD-5MXF	5.5	1.5	ZG1.5	1000	525	1890	350
DAD-6MXF	6.5	3	ZG1.5	1200	500	1950	430
DAD-8MXF	8.5	3	ZG1.5	1400	600	2000	550
DAD-10MXF	10.7	4.5	ZG2	1400	600	2090	750
DAD-13MXF	13.5	4.5	ZG2	1400	600	2140	790
DAD-15MXF	18	4.5	DN65	1400	650	2200	830
DAD-20MXF	25	6	DN80	1670	725	2435	1250
DAD-30MXF	35	8	DN100	1670	725	2566	1480
DAD-40MXF	45	8	DN100	1750	775	2700	1740
DAD-50MXF	55	15	DN125	1800	775	2755	2260
DAD-60MXF	65	15	DN125	1900	800	3070	2600
DAD-80MXF	85	20	ZG150	2620	1120	3070	3380
DAD-100MXF	110	30	ZG150	3100	1650	3200	4390
DAD-160MXF	160	50	DN200	3240	1770	3190	5800



درایرهای جذبی خشک

Heatless Purge Desiccant Air Dryer

Capacity :	1.2~300	[Nm ³ /min]
	42.37~10593	[SCFM]
	-676~-1352	[°F]
Pressure dew point :	-20~-40	[°C]

Heatless purge desiccant dryer advantages:

- Automatic control system and alarm device, ensure the safety and reliability.
- Air controlling dust filter prevents the dust from air controlling components, lower the valves failure rate.
- New design silencer is made from heat-resistant hyperfine sound-absorbing glass, the noise level $\leq 72\text{dB(A)}$.
- Stainless steel disperser stabilizes, disperses and filters the air flow.
- High quality desiccant activated aluminum or molecular sieve, long service life.

Heatless Purge Desiccant Air Dryer Technical Parameters:

Type	Capacity(Nm ³ /min)	Air Inlet/Outlet Pipe Diameter	Dimensions(mm)			Weight(Kg)
			L	W	H	
DAD-1WXF	1.2	ZG1	800	400	1376	120
DAD-2WXF	2.4	ZG1	800	400	1476	180
DAD-3WXF	3.8	ZG1.5	1000	450	1600	270
DAD-5WXF	5.5	ZG1.5	1000	450	1890	300
DAD-6WXF	6.5	ZG1.5	1200	500	1950	400
DAD-8WXF	8.5	ZG1.5	1400	600	2000	510
DAD-10WXF	10.7	ZG2	1400	600	2090	700
DAD-13WXF	13.5	ZG2	1400	600	2140	740
DAD-15WXF	18	DN65	1400	600	2200	780
DAD-20WXF	25	DN80	1670	650	2435	1180
DAD-30WXF	35	DN100	1670	650	2566	1760
DAD-40WXF	45	DN100	1750	750	2700	2200
DAD-50WXF	55	DN125	1800	750	2755	2600
DAD-60WXF	65	DN125	1900	700	3070	3100
DAD-80WXF	85	ZG150	2620	1120	3070	4100
DAD-100WXF	110	ZG150	3100	1650	3200	5200
DAD-160WXF	160	DN200	3240	1770	3190	6000

*) Specifications are subject to change without prior notice