

B D

Industrial performance

1

Low-watt density heater

- Stainless steel design to ensure long lifetime.
- Nickel-plated heater pipe protects against corrosion.
- Heater is installed in an insulated heater pipe to assure the most energy-efficient setup.

2

Advanced control and monitoring system

- Fitted inside a real IP54 cubicle for easy cabling and safety.
- Monitoring of all parameters to ensure maximum reliability for your installation.

3

Galvanized piping with flanged connections

Galvanized and properly sized piping simplifies maintenance and minimizes the chance of leakages.

4

Butterfly valves

High-performance butterfly valves with actuators ensure long lifetime.

Filters (optional)

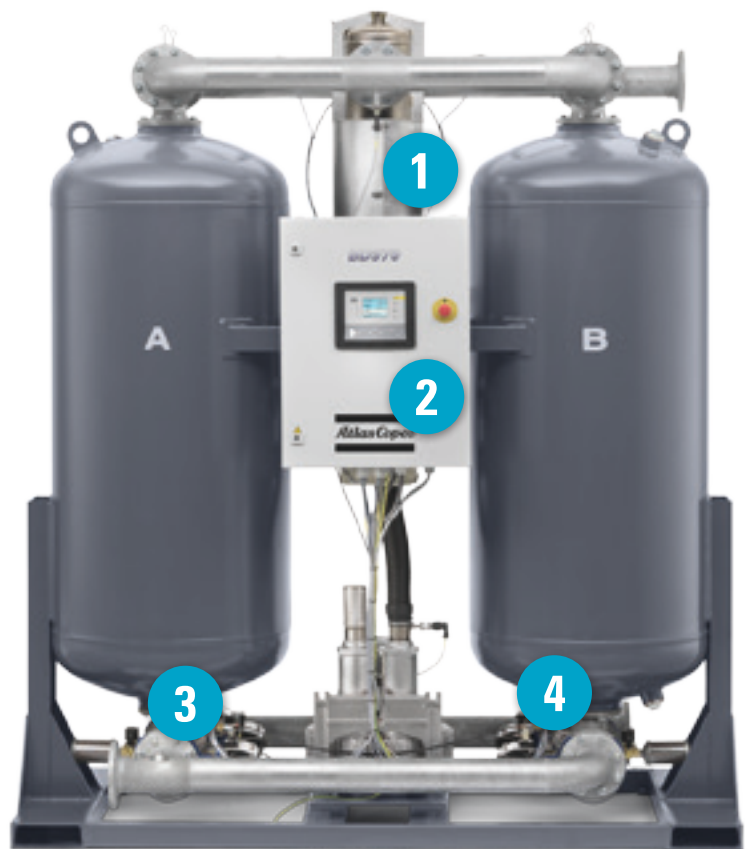
- Pre-filter(s) protect desiccant against oil contamination, increasing the lifetime of the desiccant.
- After-filter protects network against desiccant dust, avoiding network contamination.
- Mounted directly on the inlet and outlet of the dryer, for easy assembly.

Robust and compact design

- Standard frame, including forklift slots and lifting eyes for easy handling.
- Vessel connecting flanges are integrated into the top and bottom shells, lowering the total unit height.

High-quality desiccant

- Reliable high adsorption capacity desiccant for maximum performance.
- Pressure dewpoint of $-40^{\circ}\text{C}/-40^{\circ}\text{F}$.



ADVANCED CONTROL AND MONITORING

Atlas Copco's Elektronikon® control and monitoring system takes continuous care of your AD or BD desiccant dryer to ensure optimal productivity and efficiency at your site.



User-friendly interface

Available in 32 languages, this graphical 3.5-inch high-definition color display with pictograms and LED indicators for key events is easy to use. The keyboard is durable to resist tough treatment in demanding environments.

Comprehensive maintenance display

Valuable items of information displayed include the ServicePlan indicator and preventive maintenance warnings.

Internet-based visualization

The Elektronikon® system monitors and displays key parameters such as dewpoint, vessel pressure and inlet temperature, and includes an energy-savings indicator. Internet-based visualization of your dryer is possible by using a simple Ethernet connection.



SMARTLINK*

- Remote monitoring system that helps you optimize your compressed air system and save energy and costs.
- Provides a complete insight in your compressed air network.
- Anticipates on potential problems by warning you up-front.

* Please contact your local sales representative for more information.

OPTIMIZE YOUR SYSTEM

Scope of supply

Air circuit	Inlet air flange
	Exhaust silencer
	Outlet air flange
Connections	DIN-flanges
	ANSI-flanges
Electrical components	Pre-mounted electrical cubicle
	Elektronikon® control and monitoring system (only on BD & AD)
	IP54 protected
	Voltage free contacts for remote alarm and warning signals (only on BD & AD)
Framework	Base frame with forklift slots
	Lifting holes
Mechanical approval	PED approval
	ASME approval
	CRN approval
	ML approval

Additional features & options

	CD 360-1600	AD 360-1600	BD 360-1600
Maximum working pressure 14.5 bar(e)/210 psig	•	-	•
PDP control	-	•	•
Pre- and after-filter package for GA oil-injected compressor	•	•	•
Pre- and after-filter package for Z oil-free compressor	•	•	•
Pressure relief valves	•	•	•
Sonic nozzle	•	•	•
High inlet temperature variant	•	•	•
High ambient temperature variant	-	-	•
Dryer tower insulation	-	•	•
Blower inlet filter	-	-	•
External pilot air connection for low pressure inlet	-	-	•
Pneumatic control	•	-	-

•: Optional -: Not available



TECHNICAL SPECIFICATIONS

Heatless desiccant dryers

DRYER TYPE	Inlet flow FAD 7 bar(e)/100 psig			Pressure drop (excluding filters)		Inlet/outlet connections	Filter sizes (recommended)			Dimensions						Weight	
	l/s	m³/hr	cfm	bar	psi		Pre-filters		After-filter	mm			in			kg	lbs
						50 Hz: G/PN16 60 Hz: NPT/DN	1 µm 0.1 ppm	0.01 µm 0.01 ppm	1 µm	L	W	H	L	W	H		
CD 360	360	1296	763	0.19	2.76	80	DD310*	PD310*	DDp310*	1173	1116	1854	46	44	73	650	1443
CD 480	480	1728	1018	0.14	2.03	80	DD425*	PD425*	DDp425*	1776	988	2549	70	39	100	970	2154
CD 630	630	2268	1336	0.14	2.03	80	DD630	PD630	DDp630	1884	843	2604	74	33	103	1240	2753
CD 970	970	3492	2056	0.12	1.74	100	DD970	PD970	DDp970	2359	1039	2643	93	41	104	2010	4463
CD 1260	1260	4536	2671	0.12	1.74	100	DD1260	PD1260	DDp1260	2472	1039	2636	97	41	104	2470	5484
CD 1600	1600	5760	3392	0.11	1.60	150	DD1600	PD1600	DDp1600	2693	1428	2576	106	56	101	3560	7904

Heated purge desiccant dryers

DRYER TYPE	Inlet flow FAD 7 bar(e)/ 100 psig			Average power consumption		Pressure drop (excluding filters)		Inlet/outlet connections	Filter sizes (recommended)			Dimensions						Weight	
	l/s	m³/hr	cfm	kW	hp	bar	psi		Pre-filters		After-filter	mm			in			kg	lbs
								50 Hz: G/PN16 60 Hz: NPT/DN	1 µm 0.1 ppm	0.01 µm 0.01 ppm	1 µm	L	W	H	L	W	H		
AD 360	360	1296	763	5.9	8.0	0.27	3.92	80	DD310*	PD310*	DDp310*	1200	1075	1829	47	42	72	820	1821
AD 480	480	1728	1018	7.9	10.7	0.17	2.47	80	DD425*	PD425*	DDp425*	1764	930	2558	69	37	101	1130	2509
AD 630	630	2268	1336	10.8	14.6	0.17	2.47	80	DD630	PD630	DDp630	1884	930	2612	74	37	103	1410	3131
AD 970	970	3492	2056	16.8	22.7	0.17	2.47	100	DD970	PD970	DDp970	2359	1085	2702	93	43	106	2280	5062
AD 1260	1260	4536	2671	21.7	29.3	0.17	2.47	100	DD1260	PD1260	DDp1260	2472	1085	2684	97	43	106	2750	6106
AD 1600	1600	5760	3392	27.5	37.1	0.11	1.60	150	DD1600	PD1600	DDp1600	2708	1342	2603	107	53	102	3560	7904

Heated blower purge desiccant dryers

DRYER TYPE	Inlet flow FAD 7 bar(e)/ 100 psig			Average power consumption		Pressure drop (excluding filters)		Inlet/outlet connections	Filter sizes (recommended)			Dimensions						Weight	
	l/s	m³/hr	cfm	kW	hp	bar	psi		Pre-filters		After-filter	mm			in			kg	lbs
								50 Hz: G/PN16 60 Hz: NPT/DN	1 µm 0.1 ppm	0.01 µm 0.01 ppm	1 µm	L	W	H	L	W	H		
BD 360	360	1296	763	8.4	11.3	0.16	2.32	80	DD310*	PD310*	DDp310*	1100	1028	1829	43	40	72	1160	2576
BD 480	480	1728	1018	10.4	14.0	0.16	2.32	80	DD425*	PD425*	DDp425*	1764	1024	2558	69	40	101	1275	2831
BD 630	630	2268	1336	14.8	20.0	0.16	2.32	80	DD630	PD630	DDp630	1884	1024	2612	74	40	103	1560	3464
BD 970	970	3492	2056	21.8	29.4	0.16	2.32	100	DD970	PD970	DDp970	2359	1175	2702	93	46	106	2540	5640
BD 1260	1260	4536	2671	27.7	37.4	0.16	2.32	100	DD1260	PD1260	DDp1260	2472	1175	2681	97	46	106	3035	6739
BD 1600	1600	5760	3392	35.3	47.7	0.11	1.60	150	DD1600	PD1600	DDp1600	2720	2199	2548	107	87	100	4100	9103

Reference conditions:

Compressed air inlet temperature: 35°C/100°F

Inlet relative humidity: 100%.

Dryer inlet pressure for 11 bar variants, after inlet filtration.