



4 to 16 bar
operating pressure

1,5 to 50°C
inlet air temperature range

-40°C (-25°C / -70°C)
pressure dew points

6 to 600 Nm³/h
flow rate

RAL 5012 / RAL 7040
standard / optional colour

15-20%
avg. comp. air consumption

DESCRIPTION

A-DRY 6-600 desiccant adsorption dryer has been designed to separate water moisture from compressed air thus reducing the dew point in the system. A-DRY is a range of products offering our customers a wide array of dried air solutions with volumetric flow rates ranging from 6 Nm³/h to 600 Nm³/h.

An innovative new design of A-DRY adsorption driers, developed with consideration of our customers, enables fast and reliable installation, use and servicing. Installation is simple with our ready to use controller while minimising the number of parts and motions required for assembly and disassembly makes servicing fast and reliable.

APPLICATIONS

- Compressed air systems

A-DRY 6-600 SERIES

HEATLESS REGENERATION ADSORPTION COMPRESSED AIR DRYERS



ADVANTAGES

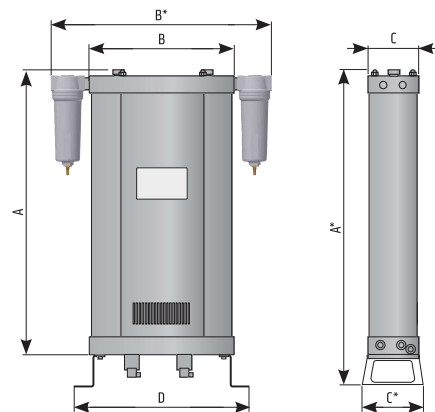
- ✓ Wide range of products to fit your need.
- ✓ Robust and intuitive ready to use controller.
- ✓ Simple assembly and disassembly.
- ✓ Fast and reliable servicing.
- ✓ Adsorbent in cartridges.
- ✓ Standard version includes coalescing prefilter and particle afterfilter.



TECHNICAL DATA

Type	Connection IN/OUT	Nominal volume flow		Dimensions							Mass kg
		Inlet ¹	Outlet ²	A [mm]	A* [mm]	B [mm]	B* [mm]	C [mm]	C* [mm]	D [mm]	
		[Nm ³ /h]	[Nm ³ /h]								
A-DRY 06	G3/8"	6	4,7	339	520	280	480	100	130	354	10,5
A-DRY 12	G3/8"	12	9,5	573	715	280	480	100	130	354	13,5
A-DRY 24	G3/8"	24	19,0	1041	1105	280	480	100	130	354	19,0
A-DRY 36	G3/8"	36	28,4	1509	1495	280	480	100	130	354	27,5
A-DRY 60	G3/4"	60	47,4	972	1105	370	570	148	170	434	45,0
A-DRY 75	G3/4"	75	59,3	1167	1300	370	570	148	170	434	53,0
A-DRY 105	G3/4"	117	83	1567	1700	370	570	148	170	434	70,0
A-DRY 150	G1"	150	118	1345	1440	440	725	198	240	570	170,5
A-DRY 200	G1"	200	158	1538	1655	440	725	198	240	570	182,2
A-DRY 250	G 1 1/2"	250	196	799	953	740	1019	405	650	820	410,5
A-DRY 300	G 1 1/2"	300	235	899	1053	740	1019	405	650	820	427,7
A-DRY 400	G 1 1/2"	400	313	1094	1247	740	1019	405	650	820	461,9
A-DRY 600	G 1 1/2"	600	470	1484	1638	740	1019	405	650	820	530,0

Operating pressure range	4 to 16 bar(g) (A-DRY 06-200); 4 to 10 bar(g) (A-DRY 250-600)
Operating temperature range	+1,5 °C to +50 °C
Pressure dew points	-25 °C / -40 °C / -70 °C
Voltage, frequency	230V, 50/60 Hz
Power consumption	<35 W
Protection class	IP 65
Filter (inlet)*	super fine; 0,01 µm
Filter (outlet)	dust filter; 1 µm



⁽¹⁾ Refers to 1bar(a) and 20°C at 7 bar operating pressure, inlet temperature 35°C and pressure dew point at outlet -40°C.
⁽²⁾ Outlet flow refers to typical assumption during regeneration phase for operating at nominal inlet flow conditions. Outlet flow includes average air losses of approximately 17,3 %.
 * If dryer is supplied without inlet filter compressed air class 1 (ISO 8753-1) for solid particles and oil should be provided to the inlet of the dryer.

CORRECTION FACTORS - F1

Operating pressure [bar]	4	5	6	7	8	9	10	11	12	13	14	15	16
Operating pressure [psi]	58	72	87	100	115	130	145	160	174	189	203	218	232
Correction factor	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13

CORRECTION FACTORS - F2

Inlet temperature [°C]	25	30	35	40	45	50
Correction factor	1,00	1,00	1,00	0,97	0,87	0,80

DEW POINT

[°C]	-25	-40	-70
C ₀	1,1	1	0,7