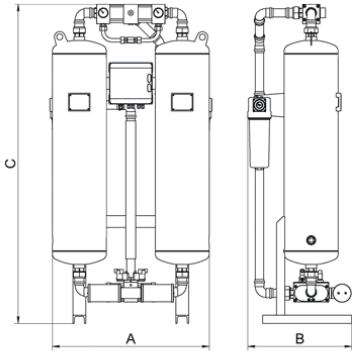
B-DRY series

HEATLESS REGENERATED ADSORPTION COMPRESSED AIR DRYERS

operating pressure	4 to 16 bar



INCLUDED
- pre-filter with automatic drain AOK16B and manometer MDM 40,
- after-filter with manual drain MCD and manometer MDM 40.
- Siemens LOGO controler.

B-DRY SERIES

B-DRY MODEL	CODE	Connection	Nominal volume flow		Dimensions			Mass
		IN/OUT [inch]	Inlet[1] [Nm³/h]	Outlet[2] [Nm³/h]	A [mm]	B [mm]	C [mm]	kg
B-DRY 110	12000318	G1	110	86,0	719 ±5	422	1,647	140
B-DRY 150	12000319	G1	150	117,5	707 ±5	422	1,897	156
B-DRY 200	12000320	G1	200	157,0	707 ±5	471	1,664	196
B-DRY 250	12000321	G1	260	204,0	707 ±5	471	1,914	236
B-DRY 300	12000322	G1 1/2	320	251,0	860 ±5	535	1,742	274
B-DRY 400	12000323	G1 1/2	410	321,5	854 ±5	535	1,989	295
B-DRY 600	12000324	G1 1/2	590	462,5	854 ±5	671	2,051	392
B-DRY 800	12000325	G2	770	603,5	1.051 ±10	701	2,080	507
B-DRY 1000	12000326	G2	1,000	784,0	1.051 ±10	701	2,140	597
B-DRY 1200	12000927	G2	1,152	903,2	1. 153 ±10	727	2,140	625

(1) Refers to 1 bar(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.

REMARK
- Standard dew point is —40 °C.
- Dew points —25 °C and —70 °C on request.
- Filter ELEMENTS should be changed at least once per year.

OPTIONAL EQUIPMENT

EQUIPMENT TYPE	CODE
Dew point sensor Easidew	2505872
Dew point sensor measurement chamber	2505628
Output 4...20 mA	2506522
WebServer Access	2506523

OPERATING PRESSURE - CORRECTION FACTORS - C_{OP}

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

OPERATING TEMPERATURE - CORRECTION FACTORS - C_{OT}

Inlet temperature [°C]	25	30	35	40	45	50	55	60
Inlet temperature [F]	77	86	95	104	113	122	131	140
Correction factor	1	1	1	0.970	0.87	0.80	0.64	0.51

DEW POINT - CORRECTION FACTORS - C_D

Inlet temperature [°C]	-25	-40	-70
Inlet temperature [F]	-13	-40	-94
Correction factor	1.1	1	0.7

Due to constan engineering improvements data is subject to change