ECOTROC® | ATK series

Adsorption dryer ATK 205

Rev 01_0725

Technical data sheet

Nominal capacity (based on suction conditions 1 bar (a), 20°C)	**Unit**	**Design data**
Volume flow inlet	m³/h	2050
Volume flow outlet	m³/h	1763
Average regeneration air	m³/h	287
Compressed air inlet temperature	°C	35
Working pressure	bar g	7
Pressure dew point	°C	-40
Residual oil content	mg/m³	x

General data	**Unit**	**Design data**
Maximum operating pressure	bar g	11
Minimum operating pressure	bar g	4
Maximum inlet temperature	°C	50
Ambient temperature minimum	°C	2

Norms and key figures	**Unit**	**Design data**
Pressure vessel standard		2014/68/EU
Category		IV
Module	Type	H1
Fluid group		2
Testing pressure	bar g	17.6
Sound insulation level		ISO 85

Scope of supply	**Unit**	**Design data**
Ready-to-operate adsorption dryer	Type	ATK 205
Controls	Type	ECOMATIC
Preliminary filter	Type	APFF080-02SMA
Finalfilter	Type	APFF080-02DMF
Filling	Type	Alumina

Options
Dew point device ET-C
Dew point device ET-P (incl. inlet air control)
Control ECOMATIC24 (24 V DC version)
Pneumatic control PNC
Minimum pressure device AV GDN80

Cycles	**Unit**	**Design data**
Total	min	10
Adsorption	min	4.5
Regeneration	min	4.5
Pressure build-up time	min	1

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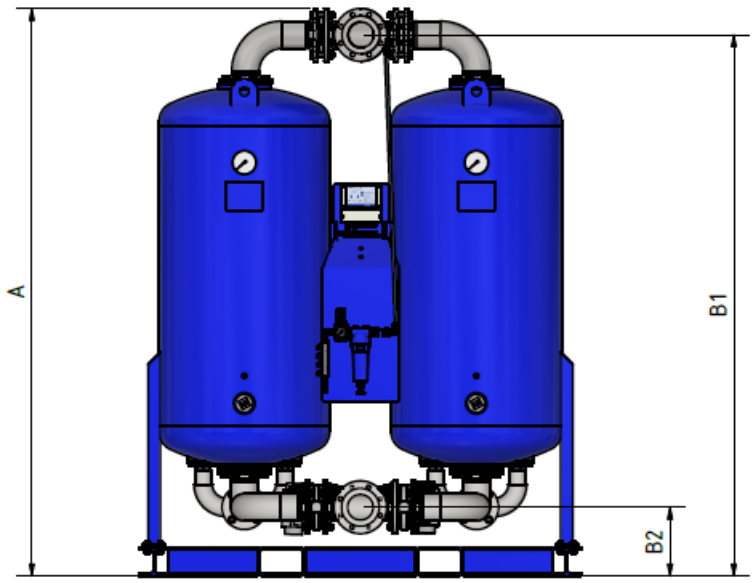
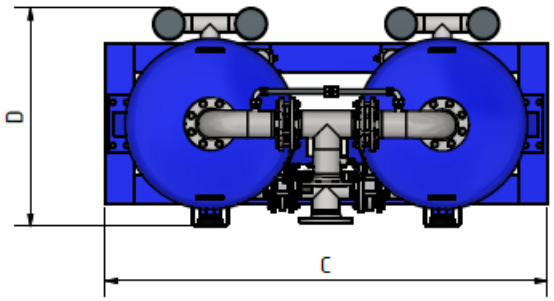
Dimensions and weights	Unit	Design data
A	mm	2251
B1	mm	2151
B2	mm	283
C	mm	1584
D	mm	813
Nominal size inside the adsorber	Inch	DN 80
Connection input	Inch	DN 80
Output connection	Inch	DN 80
Total weight	Kg	1276
Volume per vessel	Liter	400

Electrical data	Unit	Design data
Installed capacity	W	32
Connector	V	230
Control voltage	V	230
Rate	Hz	50 / 60
Protection class housing	IP	54

Dimensional drawings





Correction factors										
Inlet temperature										
°C	‹ 25	25	30	35	38	40	45	48	50	
F(t)	1,2	1,1	1,09	1	0,84	0,78	0,72	0,65	0,58	

Correction factors working pressure																										
bar g	4	4,5	5	5,5	6	6,5	7	7,5	8	8,5	9	9,5	10	10,5	11	11,5	12	12,5	13	13,5	14	14,5	15	15,5	16	
F(p)	0,6	0,7	0,74	0,82	0,89	0,97	1	1,08	1,11	1,16	1,22	1,29	1,36	1,42	1,5	1,57	1,63	1,69	1,75	1,83	1,9	1,96	2,03	2,1	2,14	

Please multiply the capacity with the correction factors in the above table

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