

Adsorption dryer ATK 155

Rev 01_0725

Technical data sheet

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Nominal capacity (based on suction conditions 1 bar (a), 20°C)	Unit	Design data
Volume flow inlet	m³/h	1550
Volume flow outlet	m³/h	1333
Average regeneration air	m³/h	217
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 155
Controls	Type	ECOMATIC
Preliminary filter	Type	APFFo80-o1SMA / FFo80-o2SMA
Final filter	Type	APFFo80-o1DMF / APFFo80-o2DMF
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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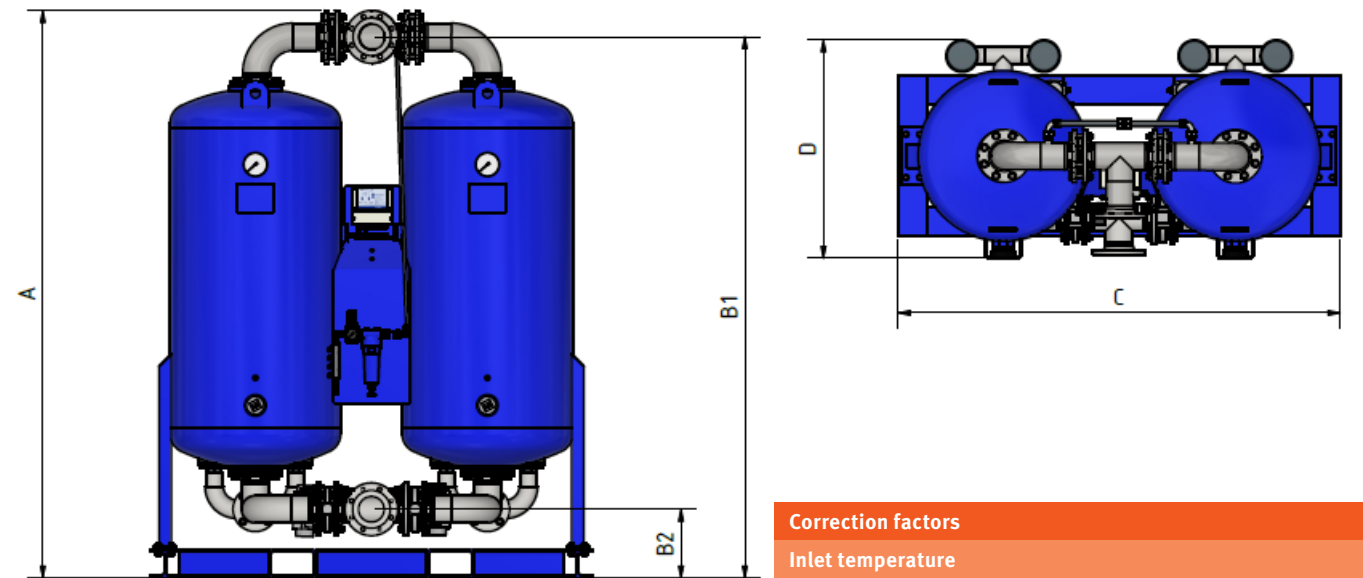
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Dimensions and weights	Unit	Design data
A	mm	2194
B1	mm	2094
B2	mm	268
C	mm	1480
D	mm	776
Nominal size inside the adsorber	Inch	DN 80
Connection input	Inch	DN 80
Output connection	Inch	DN 80
Total weight	Kg	1034
Volume per vessel	Liter	270

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																									
barg	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