

Activated carbon adsorber ATC185

Rev 01_0925

Technical data sheet

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Nominal capacity*	Unit	Design data
Volume flow inlet	m³/h	1850
Volume flow outlet	m³/h	1850
Compressed air inlet temperature	°C	35
Operating pressure	bar g	7
Residual oil content	mg/m³	< 0,003

*according to ISO 7183, Option A1: based on 1 bar(abs.), 20 °C, 0 % RH; at 7 bar (g) operating pressure, 35 °C inlet temperature, 100 % RH, 25 °C ambient temperature, pressure dew point -40 °C

General data	Unit	Design data
Maximum operating pressure	bar g	11
Minimum operating pressure	bar g	4
Maximum inlet temperature	°C	50°C (25° eff.)
Ambient temperature minimum	°C	2

Norms and key figures	Unit	Design data
Pressure vessel standard		2014/68/EU
Category		IV
Module		H1
Fluid group		2
Testing pressure	bar g	17.6

Scope of supply	Unit	Design data
Ready-to-operate adsorption dryer	Type	ATC185
Filling	Type	Activated carbon dedusted
Oil indicator A4000		

Options		
Prefilter APFFo80-02SMA		
Final filter APFFo80-02DMF		

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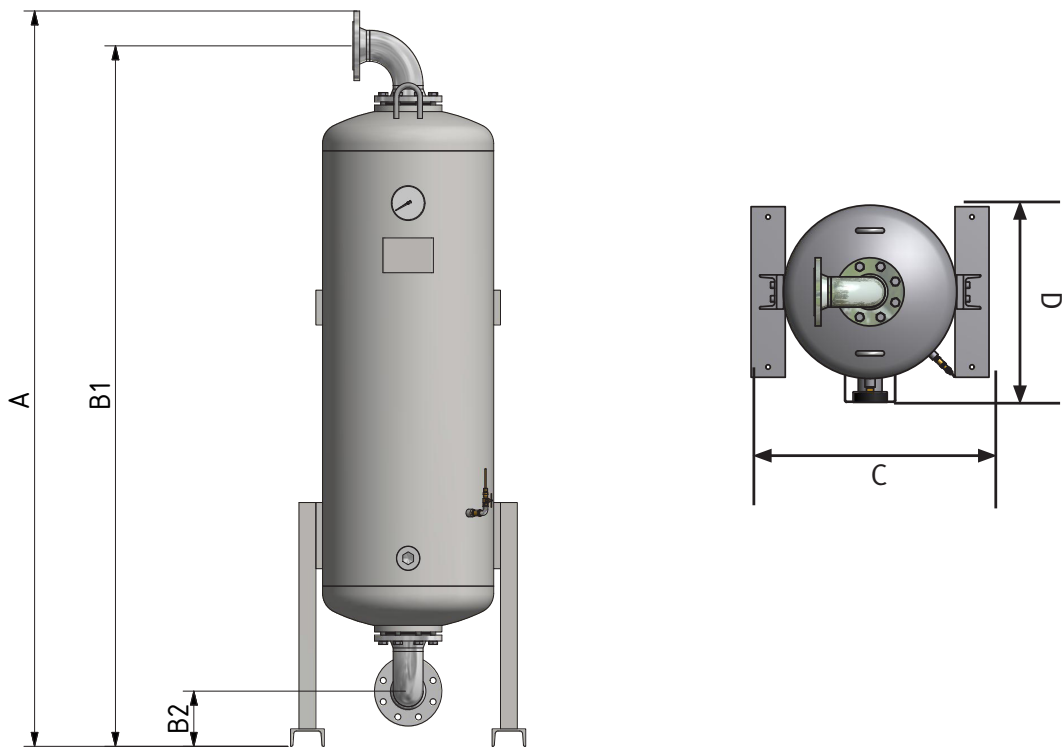
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Dimensions and weights	Unit	Design data
A	mm	2122
B1	mm	2022
B2	mm	148
C	mm	749
D	mm	700
Nominal size inside the adsorber	inch	DN 80
Connection inlet	inch	DN 80
Connection outlet	inch	DN 80
Total weight	kg	435
Vessel volume	Liter	330

Dimensional drawings



Correction factors																
Operating 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
	F(p)	0,6	0,7	0,74	0,85	0,89	0,97	1	1,08	1,11	1,16	1,22	1,29	1,36	1,42	1,5
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						

Multiply the capacity of the adsorber with the correction factors in the above table.