

Activated carbon adsorber ATC205

Rev 01_0925

Technical data sheet

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Nominal capacity*	Unit	Design data
Volume flow inlet	m ³ /h	2050
Volume flow outlet	m ³ /h	2050
Compressed air inlet temperature	°C	35
Operating pressure	bar g	7
Residual oil content	mg/m ³	< 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	ATC205
Filling	Type	Activated carbon dedusted
Oil indicator A4000		

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

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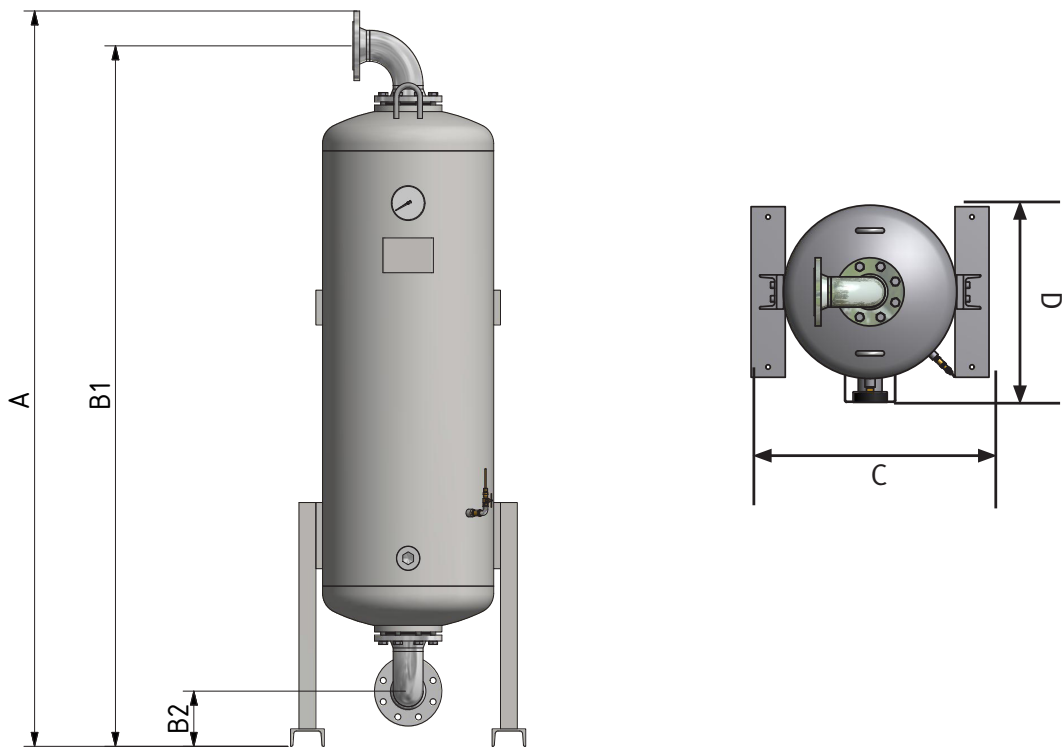
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Dimensions and weights	Unit	Design data
A	mm	2133
B1	mm	2033
B2	mm	137
C	mm	800
D	mm	726
Nominal size inside the adsorber	inch	DN 80
Connection inlet	inch	DN 80
Connection outlet	inch	DN 80
Total weight	kg	494
Vessel volume	Liter	400

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.