

Activated carbon adsorber ATC305

Rev 01_0925

Technical data sheet

Page 1 of 2

Nominal capacity*	Unit	Design data
Volume flow inlet	m³/h	3050
Volume flow outlet	m³/h	3050
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	ATC305
Filling	Type	Activated carbon dedusted
Oil indicator A4000		

Options		
Prefilter APFF100-02SMA / APFF100-03SMA		
Final filter APFF100-02DMF / APFF100-03DMF		

Activated carbon adsorber ATC305

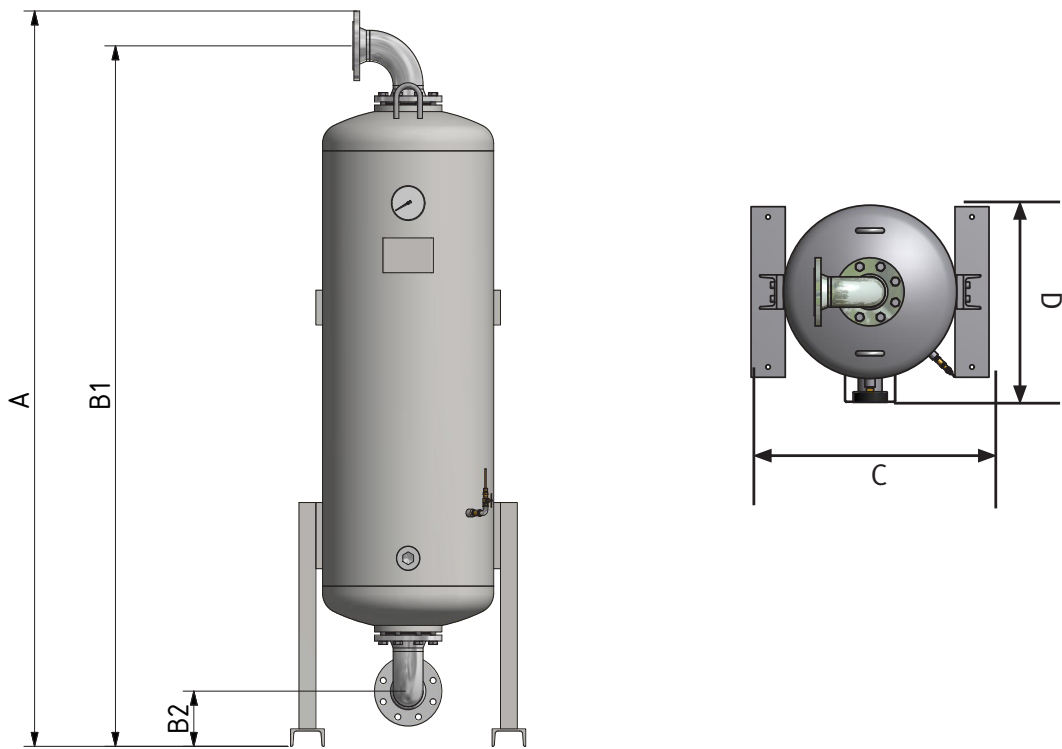
Rev 01_0925

Technical data sheet

Page 2 of 2

Dimensions and weights	Unit	Design data
A	mm	2340
B1	mm	2230
B2	mm	210
C	mm	926
D	mm	853
Nominal size inside the adsorber	inch	DN 100
Connection inlet	inch	DN 100
Connection outlet	inch	DN 100
Total weight	kg	695
Vessel volume	Liter	558

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.