

Activated carbon adsorber ATCN 110

Rev 01_1024

Technical data sheet

Page 1 of 2

Nominal capacity (based on suction conditions 1 bar (a), 20°C)	Unit	Design data
Volume flow inlet	m ³ /h	1200
Volume flow outlet	m ³ /h	1200
Compressed air inlet temperature	°C	35
Working pressure	bar g	7
Residual oil content	mg/m ³	< 0,003

General data	Unit	Design data
Maximum operating pressure	bar g	16
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	Type	H1
Fluid group		2
Testing pressure	bar g	24

Scope of supply	Unit	Design data
Ready-to-operate adsorption dryer	Type	ATCN 110
Final filter	Type	APF163DMF
Filling	Type	Activated carbon dedusted
Oil indicator A4000		yes

Options	Unit	Design data
Preliminary filter	Type	APF163SMA

Activated carbon adsorber ATCN 110

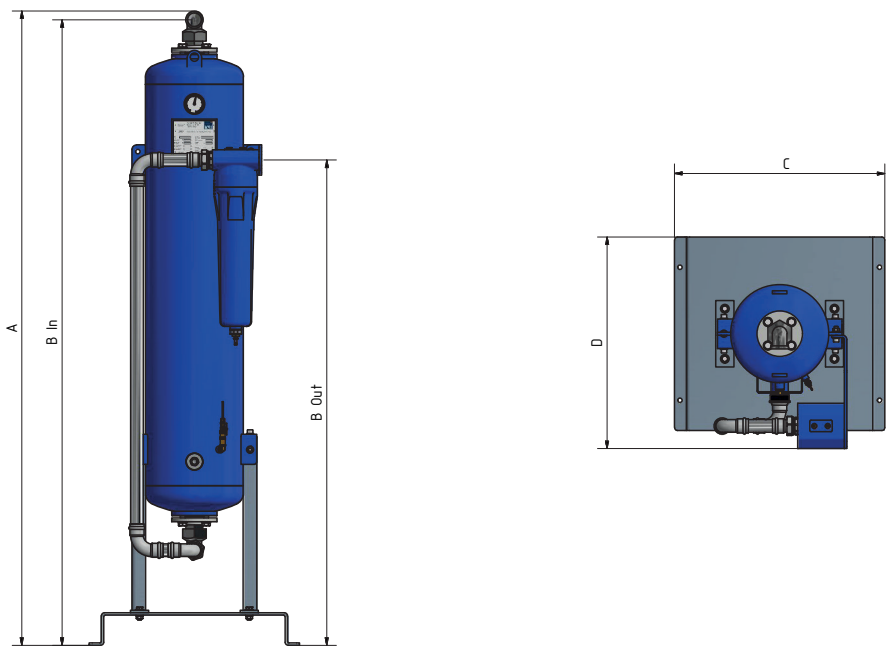
Rev 01_1024

Technical data sheet

Page 2 of 2

Dimensions and weights	Unit	Design data
A	mm	2219
B (in)	mm	2183
B (out)	mm	1607
C	mm	860
D	mm	845
Nominal size inside the adsorber	Inch	2"
Connection input	Inch	2"
Output connection	Inch	2"
Total weight	Kg	497
Vessel volume	Liter	228

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
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

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