

Activated carbon adsorber ATCN 18

Rev 01_1024

Technical data sheet

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Nominal capacity (based on suction conditions 1 bar (a), 20°C)	Unit	Design data
Volume flow inlet	m ³ /h	180
Volume flow outlet	m ³ /h	180
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		II
Module	Type	A2
Fluid group		2
Testing pressure	bar g	24

Scope of supply	Unit	Design data
Ready-to-operate adsorption dryer	Type	ATCN 18
Final filter	Type	APF103DMF
Filling	Type	Activated carbon dedusted
Oil indicator A4000		yes

Options	Unit	Design data
Preliminary filter	Type	APF103SMA

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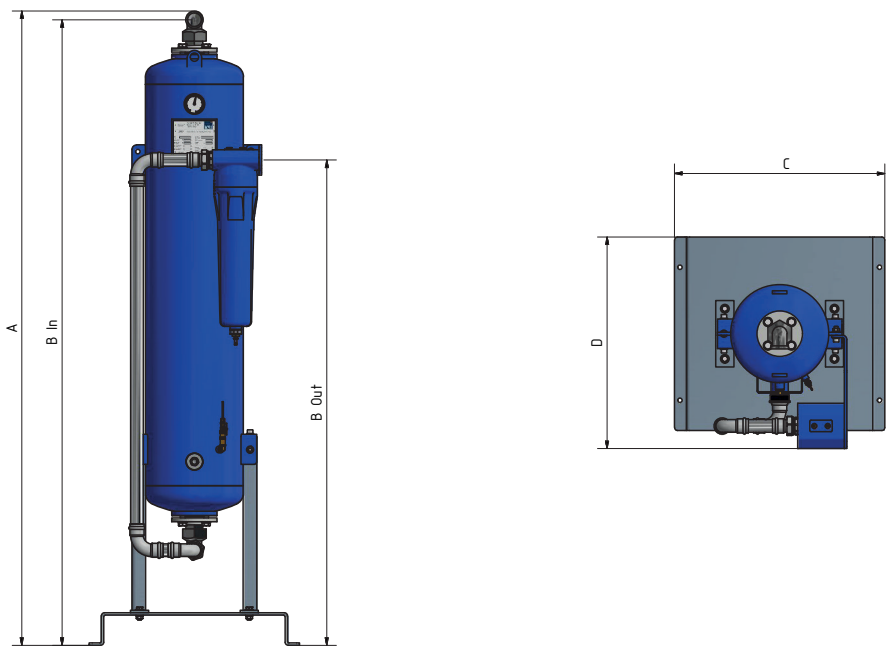
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Dimensions and weights	Unit	Design data
A	mm	1382
B (in)	mm	1362
B (out)	mm	911
C	mm	696
D	mm	575
Nominal size inside the adsorber	Inch	1"
Connection input	Inch	1"
Output connection	Inch	1"
Total weight	Kg	94
Vessel volume	Liter	30

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