

## Activated carbon adsorber ATC-APN 6

Rev 01\_0224

### 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 <sup>3</sup> /h	50
Volume flow outlet	m <sup>3</sup> /h	50
Compressed air inlet temperature	°C	35
Working pressure	bar g	7
Residual oil content	mg/m <sup>3</sup>	< 0,003

General data	Unit	Design data
Maximum operating pressure	bar g	16
Minimum operating pressure	bar g	0
Maximum inlet temperature	°C	50°C (25° eff.)
Ambient temperature minimum	°C	2

Norms and key figures	Unit	Design data
Pressure vessel standard		abnahmefrei nach 2014/68/EU
Category		I
Module	Type	A
Fluid group		2
Testing pressure	bar g	24

Scope of supply	Unit	Design data
Ready-to-operate adsorption dryer	Type	ATC-APN 6
Afterfilter	Type	APF53DMF
Filling	Type	Activated carbon dedusted
Total weight of filling	Kg	2,95
Oil indicator A-4000-120		no

Options	Unit	Design data
Preliminary filter	Type	APF53SMA

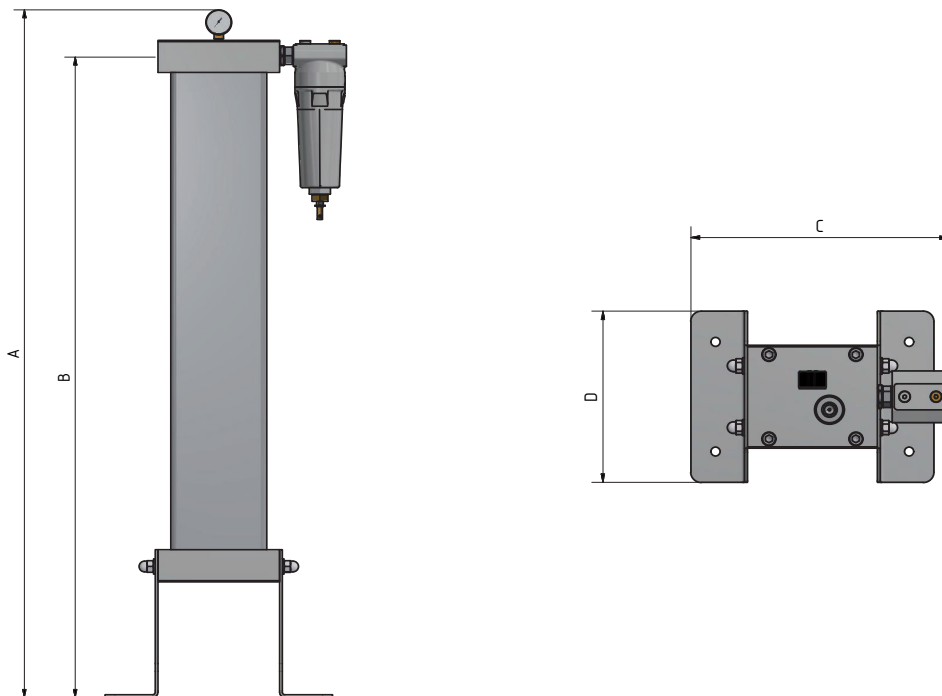
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Dimensions and weights	Unit	Design data
A	mm	933
B	mm	867
C	mm	303
D	mm	210
Nominal size inside the adsorber	Inch	3/8"
Connection input	Inch	1/2"
Output connection	Inch	3/8"
Total weight	Kg	17
Vessel volume	Liter	5,9

### 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 14 14,5 15 15,5 16
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 1,9 1,96 2,03 2,1 2,14

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