

Adsorption dryer ATKN25

Rev 01_0326

Technical data sheet

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Nominal capacity*	Unit	Design data
Volume flow inlet	m³/h	250
Volume flow outlet	m³/h	215
Average regeneration air	m³/h	35
Compressed air inlet temperature	°C	35
Working pressure	bar (g)	7
Pressure dew point	°C	-40
Residual oil content	mg/m³	x

General data	Unit	Design data
Maximum operating pressure	bar (g)	16
Minimum operating pressure	bar (g)	4
Maximum inlet temperature	°C	50
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
Sound insulation level		ISO 85

Scope of supply	
Ready-to-operate adsorption dryer	ATKN25
Controls	ECOMATIC
Prefilter	APF103SMA
Final filter	APF103DMF
Filling	Alumina

Options	
Controls	Dew point device ET-C
	Dew point device ET-P (incl. inlet air control)
	ECOMATIC24 (24 V DC version)
	PNC (pneumatic control)
Minimum pressure devices	AV G1“, AV G1 1/2“, AV G2“

Cycles	Unit	Design data
Total	min	10
Adsorption	min	4,5
Regeneration	min	4,5
Pressure build-up time	min	1

* based on suction conditions 1 bar (a), 20°C

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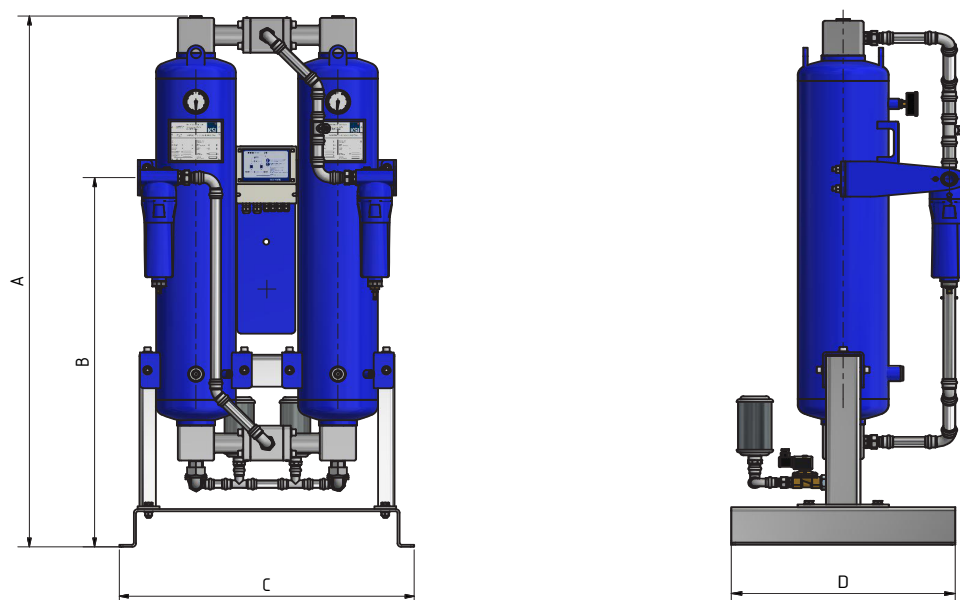
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Dimensions and weight	Unit	Design data
Dimension A	mm	1788
Dimension B	mm	1335
Dimension C	mm	810
Dimension D	mm	575
Nominal size inside the adsorber	Inch	1"
Connection inlet	Inch	1"
Connection outlet	Inch	1"
Vessel volume	Litre	44
Total weight	kg	215

Electrical data	Unit	Design data
Installed capacity	W	32
Connector	V	230
Control voltage	V	230
Rate	Hz	50 / 60
Protection class housing	IP	54

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 dryer with the correction factors of the above table.