

### Technical data sheet

#### Nominal capacity (based on suction conditions 1 bar (a), 20°C)

Volume flow inlet	1520 m <sup>3</sup> /h
Volume flow outlet	1520 m <sup>3</sup> /h
Average regeneration air	0 m <sup>3</sup> /h
Compressed air inlet temperature	40°C
Ambient temperature	25°C
Working pressure	7 bar (g)
Pressure dew point	-40°C

#### General data

Maximum operating pressure	11 bar (g)
Minimum operating pressure	4 bar (g)
Maximum inlet temperature	40°C
Ambient temperature minimum	2°C
Ambient temperature maximum	35°C

#### Cycles

Adsorption time-dependent	rigid 360, variable max 720
Adsorption load-dependent	480 minutes (option dew point control TPS required)
Regeneration: Expansion	rigid 20, variable 20
Regeneration: Heating phase (at least)	rigid 165, variable 165
Regeneration: Cooling phase (at least)	rigid 50, variable 50
Pressure build-up timet	rigid 15, variable 15

#### Electrical data

Electric power heater	16 kW
Electric power vacuum pump	4 kW
Electric power control	0,2 kW
Average heater power time-dependent	10,53 kW/h
Average heater power depending on load	9,78 kW/h (option dew point control TPS required)
Medium vacuum pump power time dependent	3,04 kw/h
Medium vacuum pump power load dependent	2,83 kw/h (option dew point control TPS required)
Electrical connection	400
Frequency	50 Hz
Maximum protection	3 x 32 Ampere
Degree of protection switch cabinet	54

#### Norms and key figures

Testing pressure	16,5 bar g
Pressure vessel standard	2014/68/EU
Fluid group	2
Category	IV
Module	B+F
Sound insulation level	ISO 85

## Head-generated adsorption dryer ATW-V 152

Rev 01\_1118

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#### Dimensions and weights

<b>A</b>	2872 mm
<b>C</b>	1788 mm
<b>D</b>	1348 mm
<b>Connection input</b>	DN 80 PN 16
<b>Output connection</b>	DN 80 PN 16
<b>Total weight</b>	1425 kg
<b>Vessel volume</b>	388 Liter
<b>Connection of vacuum pump exhaust air</b>	optionally DN 80 PN 6 (DIN 2631) or DN 80 PN 6 (DIN 24154 line 4)

#### Scope of supply

<b>Ready-to-operate adsorption dryer</b>	ATW-V 152
<b>Controls</b>	Control cabinet with Touch Panel Siemens, S7 (standard)
<b>Filling</b>	BASF KC Trockenperlen WS / N
<b>Total weight of filling</b>	543 kg

#### Options

<b>Dew point</b>	TPS
<b>Preliminary filter</b>	ECOCLEAN F170SMA
<b>Afterfilter</b>	ECOCLEAN GTF170DMF
<b>Connections filtration</b>	2 1/2"
<b>Insulation</b>	about cylindrical length of the container, heater tube and pipe bridges below

#### Dimensional drawings

