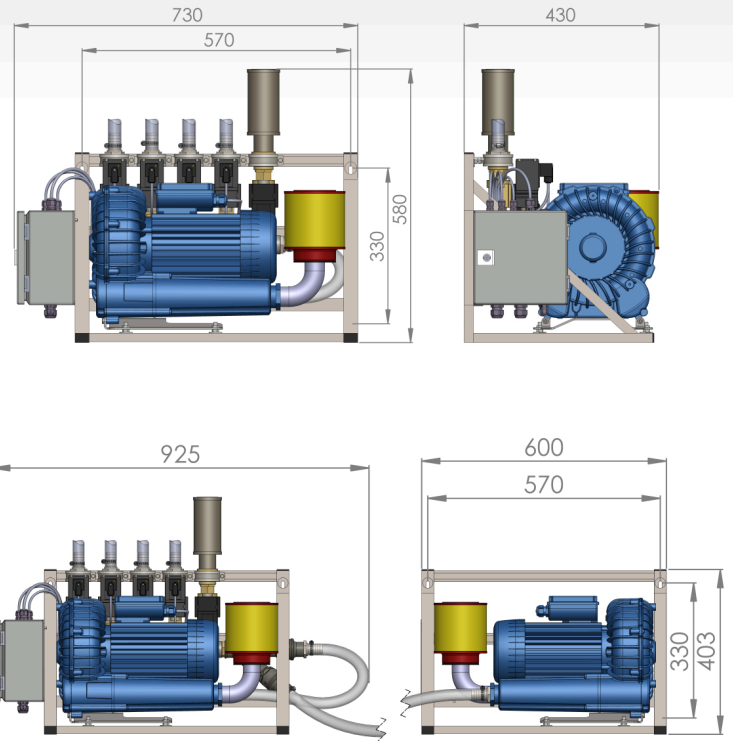


TECHNICAL DATA  
AWIDESULF 300  
AWIDESULF 500  
AWIDESULF 1000

Subject to technical modifications (12.0)



# MICROBIOLOGICAL DESULPHURISATION

GENERAL DATA	AWIDESULF 300 <sup>1</sup>	AWIDESULF 500 <sup>1</sup>	AWIDESULF 1000 <sup>1</sup>
Volume biogas/h <sup>2</sup>	up to 300 m <sup>3</sup>	up to 500 m <sup>3</sup>	up to 1000 m <sup>3</sup>
Installation dimensions (WxHxD in mm)	730x580x430	730x580x430	1525x580x430
Weight	≤ 39 kg	≤ 45 kg	≤ 80 kg

## OPERATION CONDITIONS

Ambient temperature	5 – 40 °C
Ambient humidity	0 – 80 % relative humidity
Protection type	IP 54

## POWER SUPPLY

Rated voltage	115VAC / 230 VAC
Rated power	0,37 kW / 0,37 kW      0,90 kW / 0,70 kW      1,80 kW / 1,40 kW
Power supply	solenoid valves are powered by Awite gas analysis system the compressor is powered on-site

## PROCESS CONNECTION

Number of air supply points	1 - 4
Connection point of air supply	flexible or solid plastic pipe 1" and connection with G1" external thread on customer side
Pipe length <sup>2</sup>	≤ 100 m

## PROCESS CONTROL<sup>3</sup>

Automatic control of air supply using a combination of PI-controller and a major FuzzyLogic
Control range in automatic mode between 0 to 1 % oxygen, depending on the measured hydrogen sulfide concentration
Monitoring of the upper limit of 3 % of oxygen

## DISPLAY AND OPERATION<sup>3</sup>

Panel-PC	7" TFT touch panel/800x480
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## SOFTWARE FEATURES<sup>3</sup>

Display of measurement history	graphic/tabular
Extensive data storage	4 GB microSD card

## SAFETY MECHANISM

Non-return valve behind compressor
Motor protection switch with feedback

<sup>1</sup> no UL-certification

<sup>2</sup> Please inform Awite about the pipe lengths and expected biogas flow volumes in advance (for the exact setup of the compressor)

<sup>3</sup> Part of the Awite gas analysis system AwifLEX und AwifLEX XL