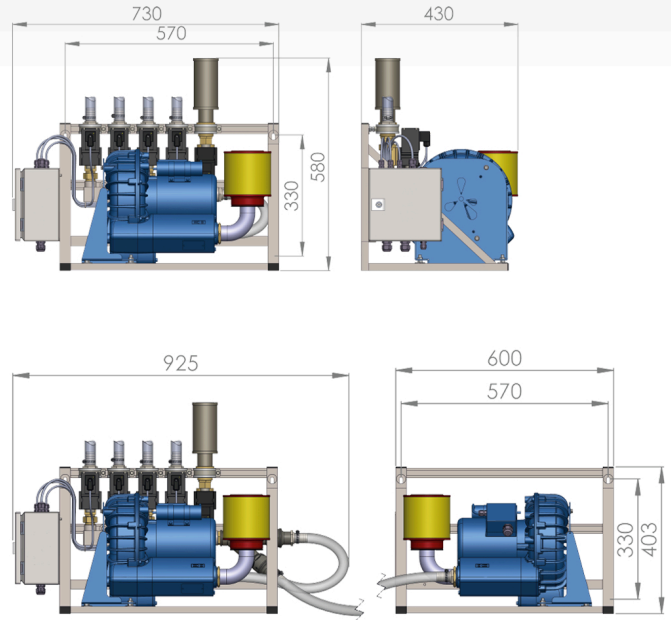




TECHNICAL DATA
AWIDESULF 300
AWIDESULF 500
AWIDESULF 1000



Subject to technical modifications (10.12)

AWITE BIOENERGIE GMBH | GRÜNSEIBOLDSDORFER WEG 5 | D - 85416 LANGENBACH
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MICROBIOLOGICAL DESULPHURISATION

GENERAL DATA	AWIDESULF 300 ¹	AWIDESULF 500	AWIDESULF 1000
Volume biogas/h ²	up to 300 m ³	up to 500 m ³	up to 1000 m ³
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 ²	≤ 100 m

PROCESS CONTROL^{3.1}

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^{3.1}

Panel-PC	7" TFT touch panel/800x480
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SOFTWARE FEATURES^{3.1}

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

¹ no UL-certification

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

^{3.1} Part of the Awite gas analysis system AwifLEX und AwifLEX XL