

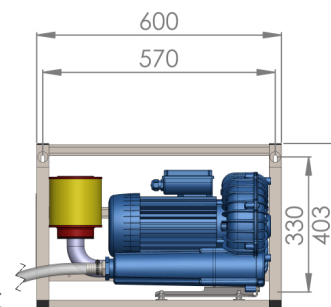
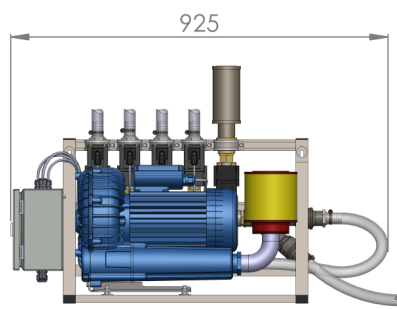
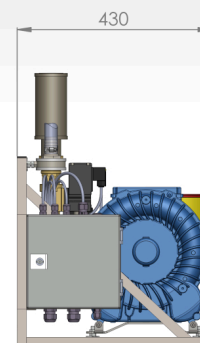
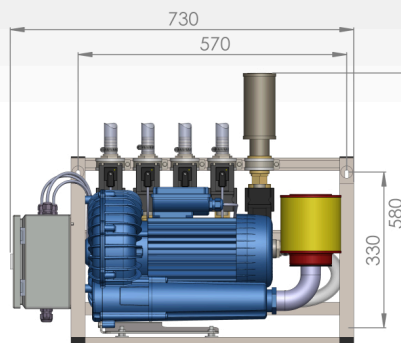
TECHNICAL DATA

AWIDESULF 300

AWIDESULF 500

AWIDESULF 1000

Subject to technical modifications (13.0)



MICROBIOLOGICAL DESULPHURISATION

GENERAL DATA	AWIDESULF 300 ¹	AWIDESULF 500 ¹	AWIDESULF 1000 ¹
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 55		

POWER SUPPLY			
Rated voltage	220 - 240 VAC		
Rated power 50Hz / 60Hz	0,37 kW / 0,37 kW	0,75 kW / 0,90 kW	1,50 kW / 1,80 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	
	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	
Panel-PC	7" TFT touch panel/800x480

SOFTWARE FEATURES ³	
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 Part of the Awite gas analysis system AwifLEX und AwifLEX XL