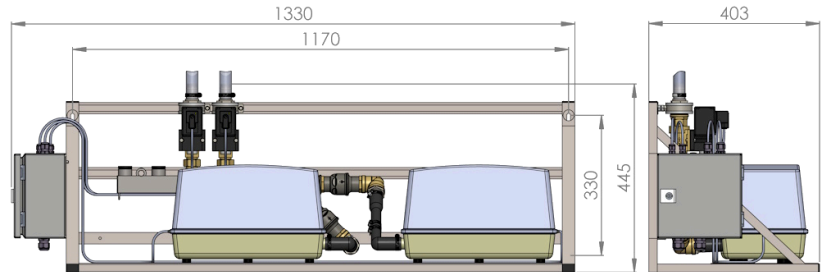
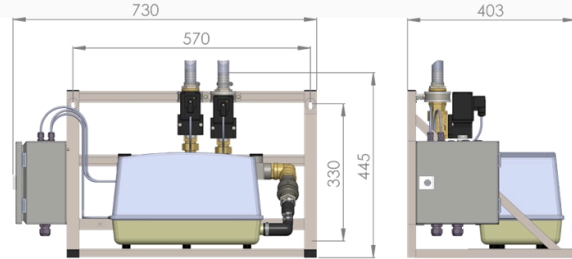




TECHNICAL DATA  
AWIDESULF 100UL  
AWIDESULF 200UL



Subject to technical modifications (12.1)

# MICROBIOLOGICAL DESULPHURISATION

| GENERAL DATA                                 | AWIDESULF 100UL          | AWIDESULF 200UL          |
|--|--------------------------|--------------------------|
| <b>Volume biogas/h<sup>1</sup></b>           | up to 100 m <sup>3</sup> | up to 200 m <sup>3</sup> |
| <b>Installation dimensions (WxHxD in mm)</b> | 730x452x403              | 1330x444x403             |
| <b>Weight</b>                                | ≤ 24 kg                  | ≤ 37 kg                  |

## OPERATION CONDITIONS

|                            |                            |
|----------------------------|----------------------------|
| <b>Ambient temperature</b> | 5 - 40 °C                  |
| <b>Ambient humidity</b>    | 0 - 80 % relative humidity |
| <b>Protection type</b>     | IP 54                      |

## POWER SUPPLY

|                          |  |         |
|--------------------------|--|---------|
| <b>Operation voltage</b> | 115 VAC  |         |
| <b>Power consumption</b> | ~ 118 W  | ~ 236 W |
| <b>Power supply</b>      | solenoid valve and compressor are powered by Awite gas analysis system |         |

## PROCESS CONNECTION

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

## PROCESS CONTROL<sup>2</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>2</sup> DISPLAY AND OPERATION<sup>2</sup>

|                 |                            |
|-----------------|----------------------------|
| <b>Panel-PC</b> | 7" TFT touch panel/800x480 |
|-----------------|----------------------------|

## SOFTWARE FEATURES<sup>2</sup>

|                                       |                   |
|---------------------------------------|-------------------|
| <b>Display of measurement history</b> | graphic/tabular   |
| <b>Extensive data storage</b>         | 4 GB microSD card |

## SAFETY MECHANISM

**Non-return valve behind compressor**

<sup>1</sup> Please inform Awite about the pipe lengths and expected biogas flow volumes in advance (for the exact setup of the compressor)

<sup>2</sup> Part of the Awite gas analysis system AwifLEX und AwifLEX XL