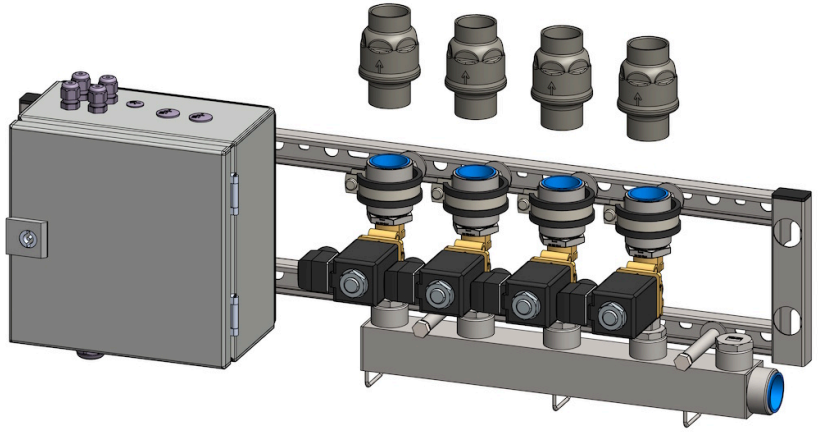


TECHNICAL DATA

AWIDESULF
PURE OXYGEN



Subject to technical changes (1.0)

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

GENERAL INFORMATION	AWIDESULF PUREOXYGEN
Input pressure oxygen	0–16 bar
Dimensions (W x H x D)	757 x 250 x 165 mm
Weight	~ 7 kg
OPERATING CONDITIONS	
Ambient Temperature	–10 to 40 °C
Ambient humidity	0–80% relative air humidity
Protection type	IP 55
OXYGEN PROVISION	
The O_2 generation is not included in the scope of delivery from Awite	If the O_2 generator used is not designed for counter pressure, the PureOxygen unit can optionally be fitted with a relief valve.
POWER SUPPLY	
Nominal voltage	230VAC
Nominal output	10 W
Power supply	Solenoid valves are powered by the Awite gas analysis system (closed in a de-energized state)
PROCESS CONNECTION	
Number of supply points	1–4 per distribution unit
Supply point connection	flexible or solid plastic pipe 1" and on-site connection with G1" external thread
Safety device	Non-return valve
Pipe length	≤ 100 m
PROCESS CONTROL[1]	
	Automatic control of oxygen supply by combination of PI control and a superordinate FuzzyLogic
	Control range in automatic mode between 0 and 1% oxygen depending on the measured hydrogen sulphide concentration.
	Monitoring of the O_2 upper limit including emergency shutdown
DISPLAY AND OPERATION[1]	
Panel PC	7" TFT touch panel 800x480
SOFTWARE FEATURES[1]	
Display of the measured value progressions	graphical/tabular
Endless data storage	4 GB microSD card

1 Part of the Awite gas analysis systems AwiFLEX and AwiFLEX XL