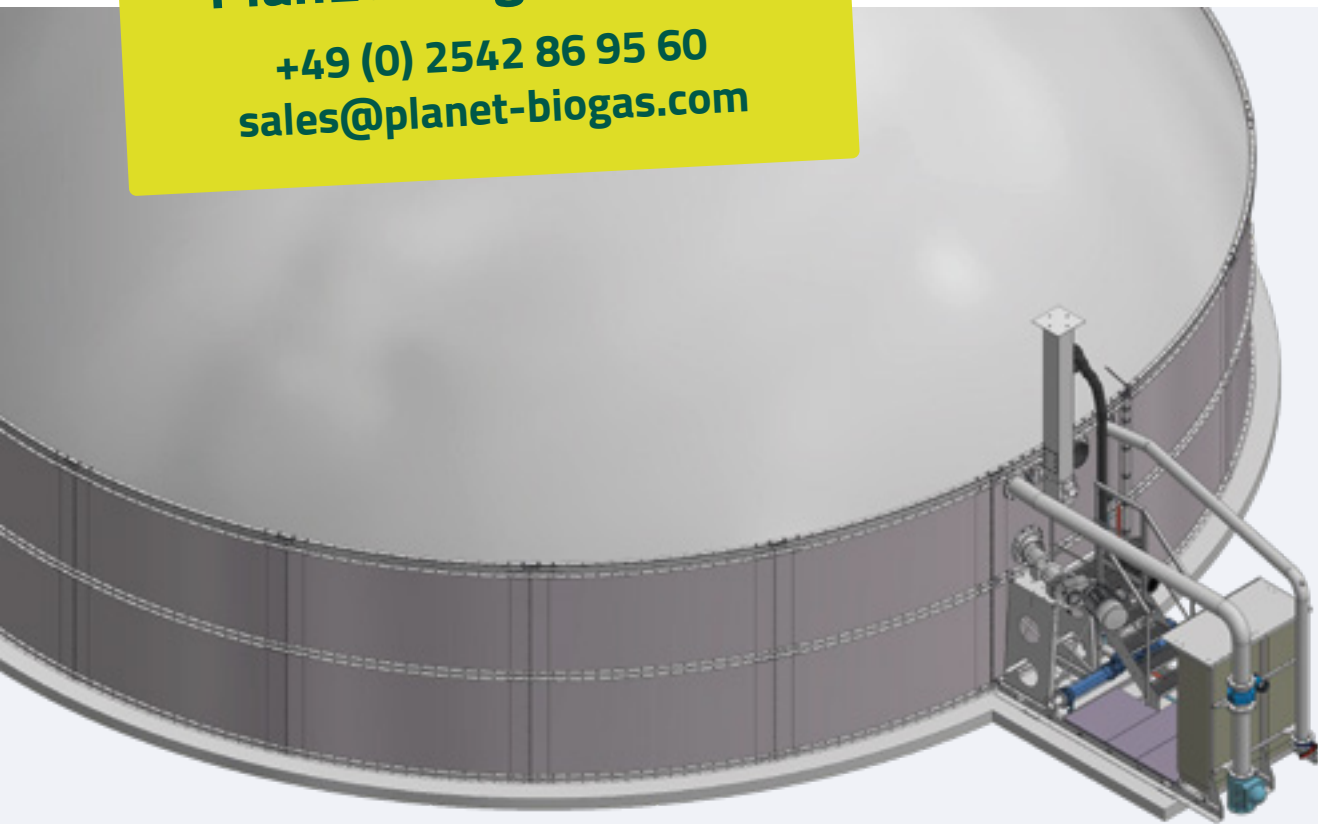




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PlanET VALENTIN

The smart system concept

**60 TO
150 KW_{EL}**

Reduce your
electricity bill

**STAND-ALONE
SOLUTION**

Use liquid organic waste
from your own farm

**QUICK
ASSEMBLY**

low transport cost
90 % residual recyclability

The right solution

Valentin 900

Fermentation volume	900 m ³
Diameter VALENTIN	20.5 m
Diameter base plate	21.5 m
Wall height	3 m
Total height incl. gas storage ca.	8.1 m
Substrate processing quantity max ^{*1}	30 m ³ /d
	10,500 m ³ /a
Recommended power range ^{*2}	60 kW - 150 kW
Total gas storage volume ca.	900 m ³
Gas storage volume sufficient for ca. ^{*3}	12 h - 27 h
Mixer running time/h ca. ^{*2}	8 - 15 Min

^{*1} for 30 days retention time | ^{*2} substrate dependent
^{*3} performance dependent

Safety equipment

Substrate level monitoring
 Negative gas pressure detection
 Gas level monitoring
 Remote access
 Inspection window

Equipment

Substrate supply pump
 Substrate supply pipe
 Backflow preventer
 Flow meter
 Substrate discharge pump
 Substrate discharge pipe
 Gas extraction line
 Condensate well
 Stainless steel heating system
 Electric support heating system
 Air roof
 Integrated gas storage
 Long-life rod mixer
 Test tap
 Insulated digester wall
 Technical cabinet
 System visualisation
 Biological desulfurization
 Activated carbon filter
 Gas analyzer
 CHP
 Biogas flare



On-site base plate



1. Day



2. Day



3. Day



7. Day
 Pipeline construction completed
 and ready for operation



Video: VALENTIN PlanET - The smart system concept