

#### Reliable

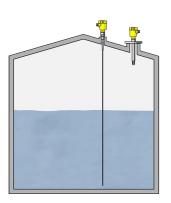
Reliable level measurement ensures safe operation of the ethanol depot

## Cost effective

High-precision measurement allows optimal utilization of the tank volume

#### **User friendly**

Installation from top, offers easy mounting and simple adjustment, even when tank is full



# Storage tank in an ethanol plant

# Level measurement and point level detection in the ethanol storage tank

After going through all process steps, the bioethanol is stored in a tank ready for delivery to the consumer. Accurate measurement of the tank contents is an important prerequisite for fiscal inventory, reliable logistics planning and ensures a sufficient supply for customers. Since the tanks can often not be emptied after an initial filling, maintenance-free operation and setup without product are crucial considerations for the measurement technology.

#### More details



## **VEGAFLEX 81**

Level measurement with guided radar in the bioethanol storage tanks

- High accuracy, unaffected by medium and vapours
- Simple mounting from above greatly facilitates retrofitting
- High reliability through device accreditation to SIL2/3

### **Show Product**

#### **VEGASWING 63**

Level detection with vibrating level switch as overfill protection in the bioethanol storage tanks

- · Adjustment-free setup and maintenance-free operation
- Simple function test via keystroke
- Reliable point level measurement in compliance with SIL2 and WHG

# **Show Product**



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VEGAFLEX 81	VEGASWING
Show Product	Show Produ
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Measuring range - Distance	Process temperature
75 m	-50 250 °C
Process temperature	Process pressure
-60 200 °C	-1 64 bar
Process pressure	Version
-1 40 bar	Standard
	Hygienic applications
Accuracy	with gas-tight leadthrough
± 2 mm	with tube extension
Version	with temperature adapter
Basic version for exchangeable cable ø 2; ø 4 mm	Materials, wetted parts
Basic version for exchangeable rod ø 8 mm	PFA
Basic version for exchangeable rod ø 12 mm	316L
Coax version ø 21.3 mm for ammonia application	Alloy C22 (2.4602)
Coax version ø 21.3 mm with single hole	Alloy 400 (2.4360)
Coax version ø 21.3 mm with multiple hole	ECTFE
Coax version ø 42.2 mm with multiple hole	Enamel
Exchangeable rod ø 8 mm	
Exchangeable rod ø 12 mm	Threaded connection
Exchangeable cable ø 2 mm with gravity weight	≥ G <sup>3</sup> ⁄4, ≥ <sup>3</sup> ⁄4 NPT
Exchangeable cable ø 4 mm with gravity weight	Flange connection
Exchangeable cable ø 2 mm with centering weight	Flange connection
Exchangeable cable ø 4 mm with centering weight	≥ DN25, ≥ 1"
Exchangeable cable ø 4 mm without weight	Hygenic fittings
exchangeable, PFA-coated cable ø4 mm with non-coated	Clamp ≥ 1" - DIN32676, ISO2852
centering weight	Slotted nut $\ge 1\frac{1}{2}$ ", $\ge DN40 - DIN 118$
Materials, wetted parts	Varivent ≥ DN25
PFA	hygienic fitting F40 with compression
316L	SMS 1145 DN51
Alloy C22 (2.4602)	SMS DN38
Alloy 400 (2.4360)	Hygienic fittings ≥ DN25 - DIN11864
Alloy C276 (2.4819)	Hygienic flange connection DIN1186
Duplex (1.4462)	DN60(ISO)ø60,3
304L	SMS socket piece DN38 PN6
Threaded connection	Seal material
≥ G¾, ≥ ¾ NPT	no media contact
Flange connection	Housing material
≥ DN25, ≥ 1"	Plastic
	Aluminium
Seal material	Stainless steel (precision casting)
EPDM	Stainless steel (electropolished)
FKM	
FFKM	Protection rating
Silicone FEP coated	IP66/IP67
Borosilicate glass	IP66/IP68 (1 bar) IP65
Housing material	11 <sup>-00</sup>
Plastic	
Aluminium	
Stainless steel (precision casting)	
Stainless steel (electronolished)	

Stainless steel (electropolished)

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