



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

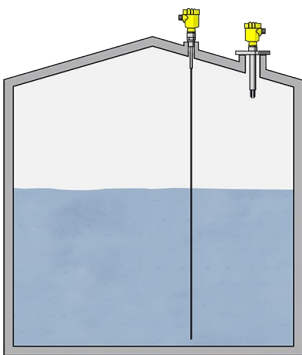
Installation from top, offers easy mounting and simple adjustment, even when tank is full

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

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VEGASWING 63

Level detection with vibrating level switch as overflow 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

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Measuring range - Distance
75 m

Process temperature
-60 ... 200 °C

Process pressure
-1 ... 40 bar

Accuracy
± 2 mm

Version

Basic version for exchangeable cable \varnothing 2; \varnothing 4 mm
 Basic version for exchangeable rod \varnothing 8 mm
 Basic version for exchangeable rod \varnothing 12 mm
 Coax version \varnothing 21.3 mm for ammonia application
 Coax version \varnothing 21.3 mm with single hole
 Coax version \varnothing 21.3 mm with multiple hole
 Coax version \varnothing 42.2 mm with multiple hole
 Exchangeable rod \varnothing 8 mm
 Exchangeable rod \varnothing 12 mm
 Exchangeable cable \varnothing 2 mm with gravity weight
 Exchangeable cable \varnothing 4 mm with gravity weight
 Exchangeable cable \varnothing 2 mm with centering weight
 Exchangeable cable \varnothing 4 mm with centering weight
 Exchangeable cable \varnothing 4 mm without weight
 exchangeable, PFA-coated cable \varnothing 4 mm with non-coated centering weight

Materials, wetted parts

PFA
 316L
 Alloy C22 (2.4602)
 Alloy 400 (2.4360)
 Alloy C276 (2.4819)
 Duplex (1.4462)
 304L

Threaded connection
 $\geq G\frac{3}{4}$, $\geq \frac{3}{4}$ NPT

Flange connection
 $\geq DN25$, $\geq 1"$

Seal material

EPDM
 FKM
 FFKM
 Silicone FEP coated
 Borosilicate glass

Housing material

Plastic
 Aluminium
 Stainless steel (precision casting)
 Stainless steel (electropolished)

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Process temperature
-50 ... 250 °C

Process pressure
-1 ... 64 bar

Version

Standard
 Hygienic applications
 with gas-tight leadthrough
 with tube extension
 with temperature adapter

Materials, wetted parts

PFA
 316L
 Alloy C22 (2.4602)
 Alloy 400 (2.4360)
 ECTFE
 Enamel

Threaded connection
 $\geq G\frac{3}{4}$, $\geq \frac{3}{4}$ NPT

Flange connection
 $\geq DN25$, $\geq 1"$

Hygienic fittings

Clamp $\geq 1"$ - DIN32676, ISO2852
 Slotted nut $\geq 1\frac{1}{2}"$, $\geq DN40$ - DIN 11851
 Varivent $\geq DN25$
 hygienic fitting F40 with compression nut
 SMS 1145 DN51
 SMS DN38
 Hygienic fittings $\geq DN25$ - DIN11864-1-A
 Hygienic flange connection DIN11864-2-A;
 DN60(ISO) \varnothing 60,3
 SMS socket piece DN38 PN6

Seal material
no media contact

Housing material

Plastic
 Aluminium
 Stainless steel (precision casting)
 Stainless steel (electropolished)

Protection rating

IP66/IP67
 IP66/IP68 (1 bar)
 IP65