



Reliable

Accurate readings under all process conditions in the fermenter

Cost effective

Level and pressure measurement using electronic differential pressure provides all relevant measurement data

User friendly

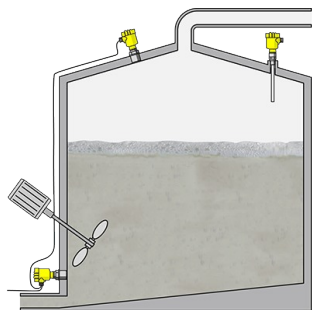
Simple mounting and setup

Fermentation in the ethanol plant

Level, switching and pressure measurement in the conversion process for alcohol production

The heart of the ethanol plant is the fermentation process. This is where the sugars in the mash are converted into alcohol, which, in the subsequent distillation process, is then concentrated to a strength of 99.9 %. The CO₂ gas given off by the fermentation is captured and used for carbonation in the beverage industry. To keep the fermenter vessel operating in its optimal range, reliable monitoring of the process parameters including the vessel level and overall pressure is required.

[More details](#)



VEGABAR 82

Measurement of the level and gauge pressure during mash fermentation with electronic differential pressure

- High abrasion resistance thanks to ceramic materials
- Different measuring cells enable application oriented selection
- Easy cleaning thanks to front-flush measuring cells

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VEGACAP 64

Capacitive point level detection of the mash in the fermentation process

- Reliable foam detection, regardless of consistency
- Unaffected by buildup, even with product deposits and thick foam
- Adjustment-free setup and commissioning minimizes costs

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PRO

VEGABAR 82

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Measuring range - Distance

-

Measuring range - Pressure

-1 ... 100 bar

Process temperature

-40 ... 150 °C

Process pressure

-1 ... 100 bar

Accuracy

0.05 %

Materials, wetted parts

PVDF
 316L
 Alloy C22 (2.4602)
 PP
 1.4057
 1.4410
 Alloy C276 (2.4819)
 Duplex (1.4462)
 Titanium Grade 2 (3.7035)

Threaded connection
≥ G $\frac{3}{4}$, ≥ $\frac{1}{4}$ NPT
Flange connection
≥ DN15, ≥ $\frac{1}{2}$ "
Hygienic fittings

Clamp ≥ 1" - DIN32676, ISO2852
 Slotted nut ≥ DN25 - DIN 11851
 hygienic fitting with tension flange DN32
 hygienic fitting F40 with compression nut
 DRD connection ø 65 mm
 SMS 1145 DN51
 SMS DN38
 Swagelok VCR screwing
 Varivent G125
 Varivent N50-40
 for NEUMO BioControl D50 PN16 / 316L

Seal material

EPDM
 FKM
 FFKM

PRO

VEGACAP 64

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Measuring range - Distance

-

Process temperature

-50 ... 200 °C

Process pressure

-1 ... 64 bar

Version

PTFE insulation

Materials, wetted parts

PTFE
 316L
 Alloy C22 (2.4602)
 Steel C22.8

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

≥ DN25, ≥ 1"

Seal material

no media contact

Housing material

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

Protection rating

IP66/IP68 (0,2 bar)
 IP66/IP67
 IP66/IP68 (1 bar)