



## Storage tanks for alcohol

### Reliable

Approvals for hazardous areas

### Cost effective

Process instrumentation secures ongoing plant operation

### User friendly

Standardised operation of all sensors

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

Alcohol storage tanks are considered potentially explosive and are therefore kept in special rooms. When the alcohol is needed, it is pumped directly to the appropriate production vessel through a "ring main" supply system. Reliable measuring instruments are required for dependable measurement of the level in the tank and for monitoring the feed pressure in the pipeline.



#### VEGABAR 82

Pressure transmitter for level measurement in the alcohol tank and for monitoring pressure in the supply main

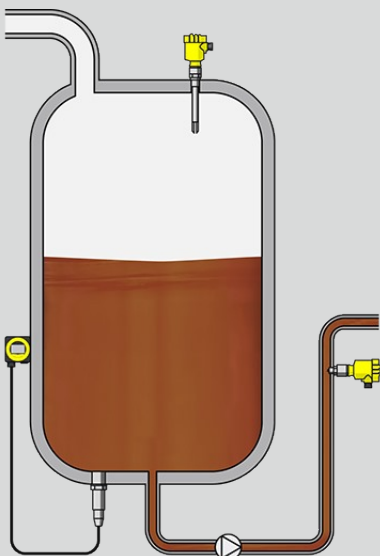
- External housing allows easy reading of measured values in hazardous areas
- Small process fittings on the pipeline
- Resistant to dynamic CIP and SIP cleaning



#### VEGASWING 63

Vibrating level switch in the alcohol tank for overflow protection

- Maintenance-free tuning fork reliably detects switch-off point regardless of the consistency of the alcohols
- Simple setup without adjustment
- Maximum reliability and safety in hazardous areas





VEGABAR 82	VEGASWING 63
<b>Measuring range - Distance</b> -	<b>Process temperature</b> -50 ... 250 °C
<b>Measuring range - Pressure</b> -1 ... 100 bar	<b>Process pressure</b> -1 ... 64 bar
<b>Process temperature</b> -40 ... 150 °C	<b>Version</b> Standard Hygienic applications with gas-tight leadthrough with tube extension with temperature adapter
<b>Process pressure</b> -1 ... 100 bar	<b>Materials, wetted parts</b> PFA 316L Alloy C22 (2.4602) Alloy 400 (2.4360) ECTFE Enamel
<b>Accuracy</b> 0.05 %	<b>Threaded connection</b> ≥ G¾, ≥ ¾ NPT
<b>Materials, wetted parts</b> PVDF 316L Alloy C22 (2.4602) PP 1.4057 1.4410 Alloy C276 (2.4819) Duplex (1.4462) Titanium Grade 2 (3.7035)	<b>Flange connection</b> ≥ DN25, ≥ 1"
<b>Threaded connection</b> ≥ G½, ≥ ½ NPT	<b>Hygienic fittings</b> Clamp ≥ 1" - DIN32676, ISO2852 Slotted nut ≥ 1½", ≥ DN40 - DIN 11851 Varivent ≥ DN25 hygienic fitting F40 with compression nut SMS 1145 DN51 SMS DN38 Hygienic fittings ≥ DN25 - DIN11864-1-A Hygienic flange connection DIN11864-2-A; DN60(ISO)ø60,3 SMS socket piece DN38 PN6
<b>Flange connection</b> ≥ DN15, ≥ ½"	<b>Seal material</b> no media contact
<b>Hygienic fittings</b> 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	<b>Housing material</b> Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
<b>Seal material</b> EPDM FKM FFKM	<b>Protection rating</b> IP 66/IP 67 IP 66/IP 68 (1 bar) IP 65