



### Reliable

High reliability and accuracy for the whole lifetime

### Cost effective

Non-contact measuring principles eliminate maintenance needs

### User friendly

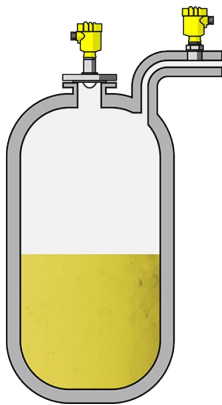
Simple mounting and setup

## Acid slurry tanks

### Acid level control and pressure monitoring

Acid slurries in the alkylation unit create an aggressive environment that requires robust, highly resistant level measurement instrumentation to withstand the conditions. Accurately reporting the process levels ensures that there is ample acid available for proper execution of the alkylation process.

[More details](#)



### VEGAPULS 6X

Level measurement with radar in the acid slurry tank

- Simple adjustment with PLICSCOM, HART handheld or PC
- Very good signal focussing ensures accurate measurement even in small and narrow tanks
- Front-flush, encapsulated antenna is highly corrosion resistant

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### VEGABAR 82

Pressure transmitter for pressure monitoring in the acid slurry tank

- Online calibration and reporting ensures reliability and accuracy
- Ceramic CERTEC® cell offers superior sealing and is cost-effective versus exotic alloys
- Resistant material performs well in the corrosive properties of acid

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PRO

PRO

**VEGAPULS 6X**  
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**Measuring range - Distance**  
 120 m

**Process temperature**  
 -196 ... 450 °C

**Process pressure**  
 -1 ... 160 bar

**Accuracy**  
 ± 1 mm

**Frequency**  
 6 GHz  
 26 GHz  
 80 GHz

**Beam angle**  
 ≥ 3°

**Materials, wetted parts**  
 PTFE  
 PVDF  
 316L  
 PP  
 PEEK

**Threaded connection**  
 ≥ G¾, ≥ ¾ NPT

**Flange connection**  
 ≥ DN20, ≥ ¾"

**Hygienic fittings**  
 Clamp ≥ 1½" - DIN32676, ISO2852  
 Slotted nut ≥ 2", DN50 - DIN 11851  
 Varivent ≥ DN25  
 hygienic fitting with tension flange DN32  
 hygienic fitting F40 with compression nut  
 Hygienic screw connections ≥ DN50 tube ø53 -  
 DIN11864-1-A  
 Hygienic flange connection ≥ DN50 DIN11864-2  
 Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-  
 3-A  
 DRD connection ø 65 mm  
 SMS 1145 DN51

**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**  
 ≥ G½, ≥ ½ NPT

**Flange connection**  
 ≥ DN15, ≥ ½"

**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