



#### Reliable

High reliability and accuracy for the whole lifetime

#### Cost effective

Non-contact measuring principles eliminate maintenance needs

#### User friendly

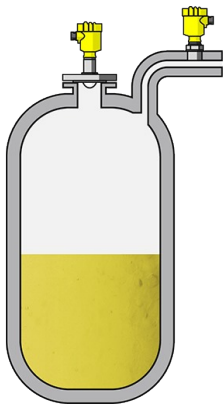
Simple mounting and setup

## 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

**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**
≥ G $\frac{3}{4}$ , ≥  $\frac{3}{4}$  NPT
**Flange connection**
≥ DN20, ≥  $\frac{3}{4}$ "
**Hygienic fittings**
Clamp ≥ 1 $\frac{1}{2}$ " - 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

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 $\frac{1}{2}$ , ≥  $\frac{1}{2}$  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

**VEGA**