



#### Reliable

Ceramic sensor ensures reliable, accurate measurement

#### Cost effective

Maintenance-free operation of the measuring system

#### User friendly

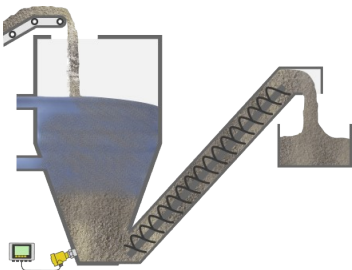
Simple installation and adjustment

## Grit washer

### Measurement of sand concentration in the sand washer

Before the settled out sand can be used as recycled material, it is cleansed of organic matter in the sand washing plant. The washed sand is then dewatered in a screw press and discharged into a storage vessel. The discharge of the washed sand is controlled by a pressure transmitter.

[More details](#)



#### VEGABAR 82

Measurement of the concentration of washed sand for discharge control

- Measurement of sand height via hydrostatic pressure measurement
- Wear-free ceramic measuring cell ensures reliable operation
- High accuracy even with small measuring ranges

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#### VEGAMET 841

Controller for powering the sensor, and processing and displaying the measured values

- Reliable screw conveyor control optimises energy and plant usage
- Analogue outputs for connection to process control systems
- Clear, easy-to-read, user programmable display

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**VEGABAR 82**  
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**VEGAMET 841**  
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**Measuring range - Distance**

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**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 $\frac{1}{4}$ , ≥  $\frac{1}{4}$  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

**Protection rating**

IP66/IP67, Type 4X

**Input**

1 x 4 ... 20 mA sensor input

**Output**

1 x 0/4 ... 20 mA current output  
 3 x operating relay  
 1x failure relay (instead of operating relay)

**Ambient temperature**

-40 ... 60 °C