



Reliable

Ceramic sensor ensures reliable, accurate measurement

Cost effective

Maintenance-free operation of the measuring system

User friendly

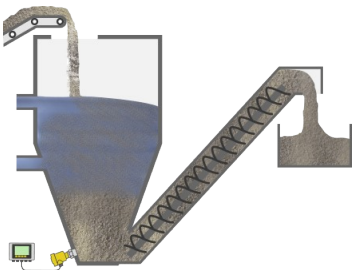
Simple installation and adjustment

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

≥ 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

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