



### Reliable

Certified hygienic design (3A/EHEDG) and approved materials according to EC 1935/2004 and FDA

### Cost effective

Three instruments, four measured values: pressure (vessel and line), granulate level and temperature

### User friendly

Process data storable and transferable

## Fluidized bed reactor

### Level measurement and filter monitoring in granulate production in the fluidized bed process

One method for producing and drying granulates is the fluidized bed process. A uniform stream of air is fed up through a distributor plate at the bottom of the fluidized bed reactor. A liquid granule suspension is sprayed in from above, in the air stream it turns into solid granulate and collects on the top of distributor plate and the exhaust air flows through a filter for cleaning. To ensure a high-quality process, both the granulate quantity on the distributor plate and the condition of the filter must be permanently monitored. The measurement technology must also fulfil the most stringent hygienic requirements in order to guarantee a consistently high granulate quality.

[More details](#)

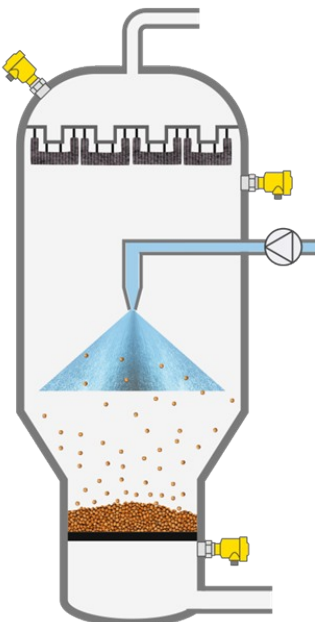


### VEGABAR 82

Pressure transmitter for filter monitoring and level measurement in granulation in the fluidized bed process

- High resistance to abrasive particles with ceramic CERTEC® diaphragm
- Maximum reliability and operating safety
- Front-flush process fittings allow optimal CIP and SIP cleaning and ensure reliable production

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**VEGABAR 82**[Show Product](#)**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