



#### Reliable

Long measurement sensor lifespan because no contact with medium

#### Cost effective

Wear and maintenance-free

#### User friendly

Easy installation and setup

## Coke silo

### Level measurement and point level detection in coke silos

Coke is often stored in very tall silos. Coke product is also susceptible to plugging the chute as the vessel empties. To accurately measure and monitor the level in these silos, especially during fill/empty stages, the instrumentation must be able to perform reliably, even under these conditions.

[More details](#)



#### VEGAPULS 6X

Radar sensor for continuous level measurement in coke silos

- Reliable measurement unaffected by buildup
- Radar principle is unaffected by temperature, gas and dust
- Non-contact measurement is wear and maintenance-free

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#### VEGAMIP 61

Microwave barrier system for plugged chute detection of coke silo

- Non-contact measurement ensures maintenance-free service in abrasive media
- Reliable measurement, immune to dust and buildup
- Simple adjustment saves time and costs for setup

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PRO

PRO

**VEGAPULS 6X**[Show Product](#)**VEGAMIP 61**[Show Product](#)**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

**Measuring range - Distance**

100 m

**Process temperature**

-40 ... 80 °C

**Process pressure**

-1 ... 4 bar

**Version**

hygienically encapsulated horn antenna

for separate horn antenna

with horn antenna ø 40 mm

with horn antenna ø 48 mm

with horn antenna ø 75 mm

with horn antenna ø 95 mm

with plastic horn antenna ø 80 mm

Horn antenna ø 1½"

with encapsulated horn antenna

**Materials, wetted parts**

PTFE

316L

1.4848

PP

**Threaded connection**

G1½, 1½ NPT

**Flange connection**

≥ DN50, ≥ 2"

**Hygienic fittings**

Slotted nut ≥ 2", DN50 - DIN 11851

Varivent ≥ DN25

DRD connection ø 65 mm

for NEUMO BioControl D50 PN16 / 316L

**Seal material**

FKM

FFKM

**Housing material**

Plastic

Aluminium

Stainless steel (precision casting)

Stainless steel (electropolished)