



#### Reliable

Reliable monitoring of silo filling

#### Cost effective

Optimal utilization of conveyor belt capacity

#### User friendly

Maintenance-free operation

## Conveyor belt transfer station

### Level measurement and point level detection at the belt transfer point

The transport of coarse and fine bulk solids within a stone processing facility takes place in most cases via conveyor belts. To achieve an even throughput and compensate for volume fluctuations during transport, belt transfer points are integrated in the conveyor line. The incoming bulk material is briefly stored in a buffer silo to prevent belt overfilling. This is the point where the level and the point level must be monitored.

[More details](#)



#### VEGAPULS 6X

Non-contact level measurement with radar at the belt transfer station

- Highly reliable even in dusty environments
- Maintenance-free non-contact measurement
- Maximum operational reliability due to noise insensitivity

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#### VEGACAP 65

Overfill protection with capacitive point level detection at the belt transfer station

- Reliable measuring results, unaffected by buildup
- Dependable switching point ensured by large gravity weight
- Long service life thanks to robust, cut to length cable probe

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PRO

PRO

**VEGAPULS 6X**[Show Product](#)**VEGACAP 65**[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**

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**Process temperature**

-50 ... 200 °C

**Process pressure**

-1 ... 64 bar

**Version**

Cable ø 6 mm with screening tube without weight

Cable ø 6 mm with screening tube and gravity weight

Cable ø 6 mm with gravity weight

Cable ø 8 mm with abrasion protection without weight

Cable ø 8 mm with abrasion protection and gravity weight

Cable ø 8 mm with gravity weight

PA cable ø 12 mm with screening tube and gravity weight

**Materials, wetted parts**

PTFE

316L

PA

PEEK

Steel

**Threaded connection**

≥ G1, ≥ 1 NPT

**Flange connection**

≥ DN50, ≥ 2"

**Housing material**

Plastic

Aluminium

Stainless steel (precision casting)

Stainless steel (electropolished)

**Protection rating**

IP66/IP68 (0,2 bar)

IP66/IP67

IP66/IP68 (1 bar)

**Output**

Relay (DPDT)

Contactless electronic switch

Transistor (NPN/PNP)

Two-wire