



Reliable

Reliable level switch protects the tunnel system from rocks and sand

Cost effective

Flushing only on demand

User friendly

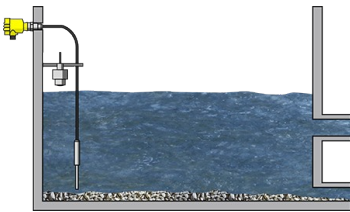
Automatic operation

Water inlet at the reservoir

Level measurement and point level detection of stones and sand in the water basin

If the natural flow of water into a reservoir is not sufficient for optimal energy production, additional water is fed into the reservoir via ducts or tunnels from water catchments that can be up to several kilometres distant. Coarse debris is held back by massive grids at the main water inlet. Smaller stones, grit and sand can accumulate in the transfer basin in front of the tunnel. Constant monitoring of the level of stones and sand in the basin ensures that no debris gets into the tunnel system.

[More details](#)



VEGAPULS C 21

Level measurement with radar in the water basin

- Exact measuring results unaffected by ambient conditions
- Maintenance-free operation with non-contact 80 GHz radar technology
- Highly resistant materials ensure a long service life

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VEGAVIB 62

Point level detection with vibrating level switch for on-demand cleaning of the basin of stones and sand

- Reliable level measurement, unaffected by debris
- Robust design ensures dependable function
- Maintenance-free operation reduces maintenance costs

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BASIC

VEGAPULS C 21

[Show Product](#)**Measuring range - Distance**

20 m

Process temperature

-40 ... 80 °C

Process pressure

-1 ... 3 bar

Accuracy

± 2 mm

Frequency

80 GHz

Beam angle

8°

Materials, wetted parts

PVDF

Threaded connection

G1½ / G1, 1½ NPT / 1 NPT, R1½ / R1

Seal material

FKM

Protection rating

IP66/IP68 (3 bar), Type 6P

PRO

VEGAVIB 62

[Show Product](#)**Process temperature**

-40 ... 150 °C

Process pressure

-1 ... 6 bar

Version

Detection of solids in water
Suspension cable

Materials, wetted parts

316L
FEP
PUR

Threaded connection

≥ G1, ≥ 1 NPT

Flange connection

≥ DN 32, ≥ 1½"

Seal material

CR, CSM

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
NAMUR