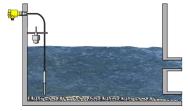


#### Reliable

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

#### **Show Product**

#### **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

#### **Show Product**



BASIC	PRO
VEGAPULS C 21	VEGAVIB 62
Show Product	Show Product
	Ŷ
Measuring range - Distance	Process temperature
15 m	-40 150 °C
Process temperature	Process pressure
-40 80 °C	-1 6 bar
Process pressure -1 3 bar	Version Detection of solids in water Suspension cable
Accuracy ± 2 mm	Materials, wetted parts
Frequency	FEP
80 GHz	PUR
Beam angle	Threaded connection
8°	≥ G1, ≥ 1 NPT
Materials, wetted parts	Flange connection
PVDF	≥ DN 32, ≥ 1½"
Threaded connection	Seal material
G1½/G1, 1½ NPT/1 NPT, R1½/R1	CR, CSM
Seal material	Housing material
FKM	Plastic
Protection rating IP66/IP68 (3 bar), Type 6P	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

