



Reliable

Unaffected by buildup or condensate

Cost effective

Maintenance-free operation

User friendly

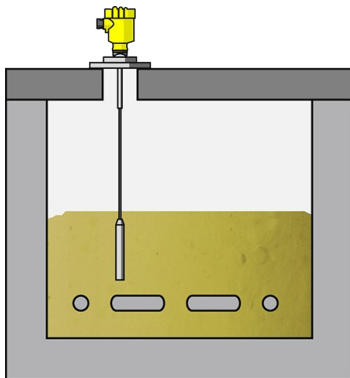
Easy setup and installation

Sulphur pit

Level measurement in sulphur pits

The liquid sulphur, which comes directly from the sulphur recovery plant, is stored in underground concrete pits. High temperatures are required to maintain the sulphur in its liquid form. The harsh, corrosive process and environmental conditions in sulphur pits require dependable level measurement.

[More details](#)



VEGAPULS 6X

Non-contact level measurement with radar in sulphur pits

- Maintenance-free operation through non-contact measuring principle
- Wetted parts are extremely corrosion resistant
- Reliable measurement independent of vapour, buildup and condensation
- Very good focusing allows reliable operation even in confined spaces

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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