



Sulphur pit

Reliable

Unaffected by buildup or condensate

Cost effective

Maintenance-free operation

User friendly

Easy setup and installation

Level measurement and point level detection 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 both dependable level measurement and point level detection.



VEGAPULS 64

Non-contact level measurement with radar in sulphur pits

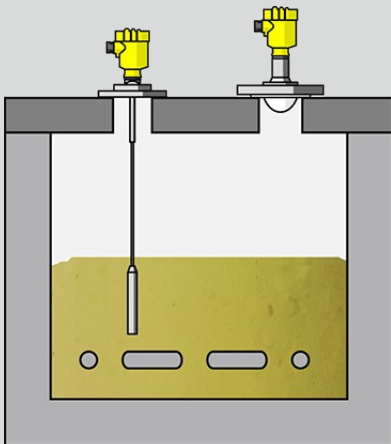
- Maintenance-free operation through non-contact measuring principle
- Wetted parts are extremely corrosion resistant
- Reliable measurement independent of vapour, buildup and condensation
- Very good focusing allows reliable operation even in confined spaces



VEGAFLEX 81

Continuous level measurement with guided wave radar in sulphur pits

- Reliable measured values even with foam
- Non-sensitive to vapour, buildup and condensation
- No moving parts and thus no need for maintenance





VEGAPULS 64	VEGAFLEX 81
Measuring-range---Distance 30 m	Measuring-range---Distance 75 m
Process-temperature -196 ... 200 °C	Process-temperature -60 ... 200 °C
Process-pressure -1 ... 25 bar	Process-pressure -1 ... 40 bar
Accuracy ± 1 mm	Accuracy ± 2 mm
Version with plastic horn antenna ø 80 mm Thread with integrated horn antenna Flange with encapsulated antenna system Hygienic fitting with encapsulated antenna system	Version Basic version for exchangeable cable ø 2; ø 4 mm Basic version for exchangeable rod ø 8 mm Basic version for exchangeable rod ø 12 mm Coax version ø 21.3 mm for ammonia application Coax version ø 21.3 mm with single hole Coax version ø 21.3 mm with multiple hole Coax version ø 42.2 mm with multiple hole Exchangeable rod ø 8 mm Exchangeable rod ø 12 mm Exchangeable cable ø 2 mm with gravity weight Exchangeable cable ø 4 mm with gravity weight Exchangeable cable ø 2 mm with centering weight Exchangeable cable ø 4 mm with centering weight Exchangeable cable ø 4 mm without weight exchangeable, PFA-coated cable ø4 mm with non-coated centering weight
Materials,-wetted-parts PFA PTFE 316L Alloy C22 (2.4602) PEEK	Materials,-wetted-parts PFA 316L Alloy C22 (2.4602) Alloy 400 (2.4360) Alloy C276 (2.4819) Duplex (1.4462) 304L
Threaded-connection ≥ G¾, ≥ ¾ NPT	Threaded-connection ≥ G¾, ≥ ¾ NPT
Flange-connection ≥ DN50, ≥ 2"	Flange-connection ≥ DN25, ≥ 1"
Hygienic-fittings Clamp ≥ 2", DN50 - DIN32676, ISO2852 Slotted nut ≥ 2", DN50 - DIN 11851 DRD connection ø 65 mm for NEUMO BioControl D50 PN16 / 316L	Seal-material EPDM FKM FFKM Silicone FEP coated Borosilicate glass
Seal-material EPDM FKM FFKM	Housing-material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)