



Reliable

Reliable measurement solution for adhesive media

Cost effective

Accurate measurement of the tank contents, regardless of medium and degree of contamination

User friendly

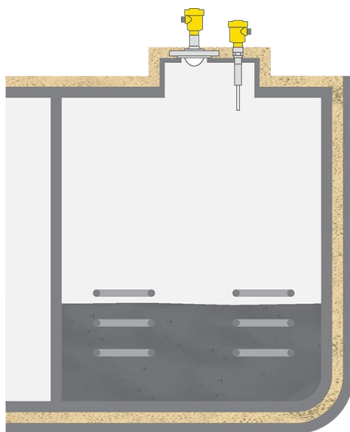
Maintenance-free and reliable operation

Cargo tank in a bitumen tanker

Level measurement and point level detection in the cargo tanks of a bitumen tanker

Bitumen is transported at temperatures of around 170 °C to 190 °C. The heating is supplied via an array of multi-layered heating tubes mounted on the floor and sides of the tanks. To ensure efficient utilisation of the tanks as well as a safe ship attitude, the levels in the bitumen tanks require accurate monitoring, particularly during loading and unloading.

[More details](#)



VEGACAP 64

Capacitive point level detection for overfill protection in the bitumen tank

- Proven, robust measuring principle, unaffected by high temperatures and buildup
- Reliable switch point allows optimum utilization of the tank volume

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VEGAPULS 6X

Radar sensor for non-contact level measurement in the bitumen tank

- Ideal for hot and adhesive media thanks to contactless measuring principle
- Front-flush antenna delivers precise measurement data even with heavy buildup
- High accuracy in all measuring situations
- Reliable measurement down to the bottom, even in difficult installation conditions thanks to the good focusing of 80 GHz technology

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PRO	PRO
VEGACAP 64 Show Product	VEGAPULS 6X Show Product
	
Measuring range - Distance -	Measuring range - Distance 120 m
Process temperature -50 ... 200 °C	Process temperature -196 ... 450 °C
Process pressure -1 ... 64 bar	Process pressure -1 ... 160 bar
Version PTFE insulation	Accuracy ± 1 mm
Materials, wetted parts PTFE 316L Alloy C22 (2.4602) Steel C22.8	Frequency 6 GHz 26 GHz 80 GHz
Threaded connection ≥ G¾, ≥ ¾ NPT	Beam angle ≥ 3°
Flange connection ≥ DN25, ≥ 1"	Materials, wetted parts PTFE PVDF 316L PP PEEK
Seal material no media contact	Threaded connection ≥ G¾, ≥ ¾ NPT
Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)	Flange connection ≥ DN20, ≥ ¾"
Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)	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