



Reliable

Reliable measurement solution for adhesive media

Cost effective

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

User friendly

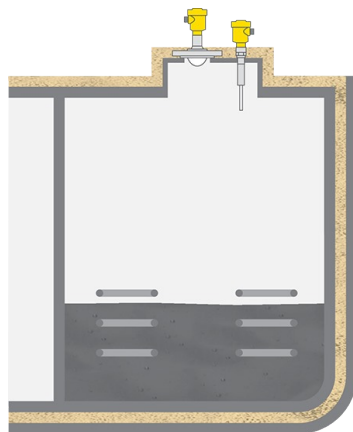
Maintenance-free and reliable operation

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

VEGACAP 64
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Measuring range - Distance

-

Process temperature

-50 ... 200 °C

Process pressure

-1 ... 64 bar

Version

PTFE insulation

Materials, wetted parts

PTFE
 316L
 Alloy C22 (2.4602)
 Steel C22.8

Threaded connection

≥ G¾, ≥ ¾ NPT

Flange connection

≥ DN25, ≥ 1"

Seal material

no media contact

Housing material

Plastic
 Aluminium
 Stainless steel (precision casting)
 Stainless steel (electropolished)

Protection rating

IP66/IP68 (0,2 bar)
 IP66/IP67
 IP66/IP68 (1 bar)

PRO

VEGAPULS 6X
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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