



#### Reliable

Reliable measurement solution for adhesive media

#### Cost effective

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

#### User friendly

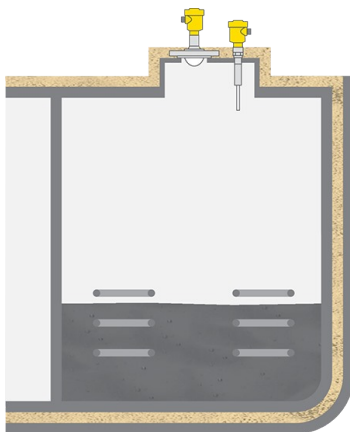
Maintenance-free and reliable operation

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