



Reliable

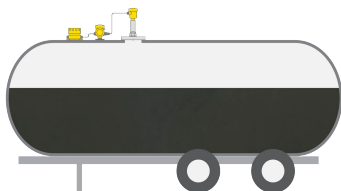
High availability via mobile inventory monitoring

Cost effective

Savings in fuel and operating costs through optimal logistics

User friendly

Automated supply chain via continuous, maintenance-free inventory monitoring



Mobile storage tanks

Dependable remote monitoring of mobile storage tanks

Safe filling and timely routing of tanker trucks is essential for reliable bitumen supply. The medium is hot and viscous and places high demands on both handling and safety. Accurate level measurement, in combination with wireless data transmission to a central location, guarantees optimal automatic refilling of these mobile containers.

More details



VEGAPULS 6X

Level measurement with radar in mobile storage tanks

- Reliable measurement independent of bitumen consistency and temperature
- High accuracy thanks to very good signal focusing
- Linearization and volume calculation directly in the sensor

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PLICSMOBILE T81

External radio unit for HART sensors

- Continuous transmission of measured values and position (GPS) via mobile telephone network
- Simple, wireless remote diagnostics and remote maintenance
- Stand-alone measurement via battery or accumulator powered PLICSMOBILE B81

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VEGA Inventory System

Software for data acquisition and visualization of level data

- Easy access to live data around the clock
- Accurate, up-to-date information on tank levels
- Simplified management through wide range of functions
- Fully automatic and timely notification of re-supply requirements
- Increased security of supply

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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

PLICSMOBILE T81
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Housing material
 Plastic
 Aluminium
 Stainless steel (precision casting)

Protection rating
 IP66

Input
 up to 15 HART-capable sensors
 up to 5 sensors with Ex applications (with transmitter
 power supply and passive)

VEGA Inventory System
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