



Reliable

Reliable measurement, independent of process conditions

Cost effective

Ensures effective operation of the equipment

User friendly

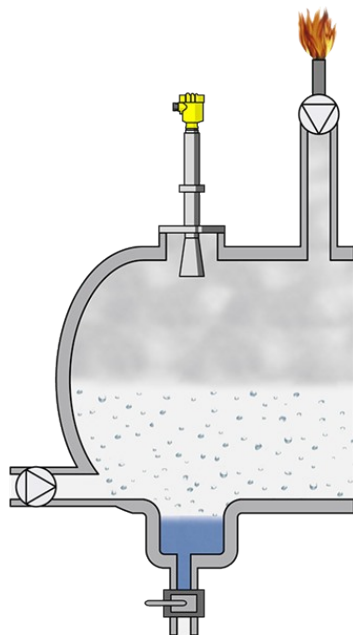
Maintenance-free operation

Flare knockout drum

Level measurement in the flare knockout drum

The unrecoverable residues of oil and gas production are collected in the flare knockout drum and liquefied at high pressure. The recovered liquid, the condensate, collects at the bottom of the vessel and is disposed of. The non-liquefied gases are decompressed and burned in the flare system. To ensure efficient and safe operation of the vessel, the level inside must be very reliably measured.

[More details](#)



VEGAPULS 6X

Level measurement with radar in the flare knockout drum

- Exact measurement, independent of process conditions
- Maintenance-free thanks to non-contact measuring method
- Pressure and temperature stable antenna system of metal and ceramic with graphite seal

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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