



Reliable

Precise measurement protects the drilling equipment

Cost effective

Continuous, wear-free operation

User friendly

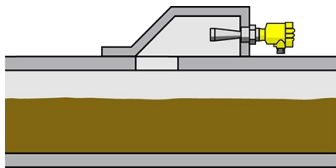
Simple setup and commissioning

Mud flow return line

Drilling mud pipe flow measurement

The drilling mud flowing back from the drilling contains large amounts of solids. To avoid clogging in these pipes and the associated damage to the drill head and loss of production, a reliable monitoring of the entire mud return system is essential.

[More details](#)



VEGAPULS 62

Non-contact detection of clogging with radar in the mud flow return lines

- High measuring accuracy, independent of the physical properties of the drilling mud
- Mud flow uninterrupted, as sensor is installed outside the pipe
- Wear-free operation thanks to non-contact measuring method

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Measuring range - Distance
35 m

Process temperature
-196 ... 450 °C

Process pressure
-1 ... 160 bar

Accuracy
± 2 mm

Frequency
26 GHz

Beam angle
≥ 3°

Version
for separate horn antenna
with ½" standpipe
with horn antenna ø 40 mm
with horn antenna ø 48 mm
with horn antenna ø 75 mm
with horn antenna ø 95 mm
with parabolic antenna ø 245 mm

Materials, wetted parts
316L
Alloy C22 (2.4602)
1.4848
Alloy 400 (2.4360)

Threaded connection
G1½, 1½ NPT

Flange connection
≥ DN50, ≥ 2"