



Shaker

Reliable

Reliable measurement, independent of the process conditions

Cost effective

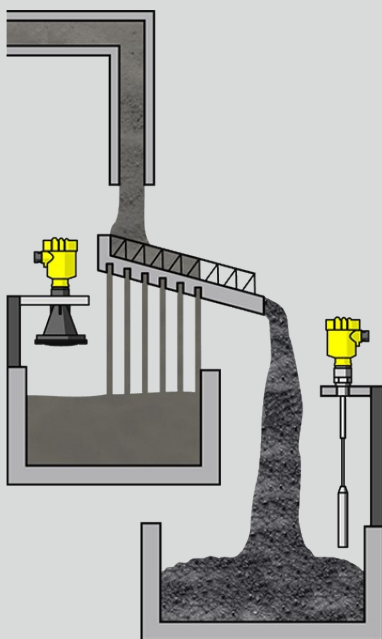
Ensures effective processing of the drilling mud

User friendly

Simple installation and setup from above

Level measurement and point level detection in the shaker

Through the effects of strong vibration in the shaker, the liquid and solid components of the drilling mud returning from the borehole are separated from each other. The drilled rock and the sand are disposed of and the valuable drilling mud is fed back into the continuous drilling process. Level measurement and point level detection are absolutely necessary for effective processing of the drilling mud in the shaker.



VEGAPULS 64

Non-contact level measurement with radar in the shaker

- Accurate measurement, independent of media properties
- Reliable measurement, unaffected by vibration and buildup
- High equipment availability, as wear and maintenance-free



VEGACAP 65

Capacitive level switch for point level detection in the shaker

- Long service life thanks to robust mechanical construction
- Reliable switching point ensured by large gravity weight
- Maintenance-free operation, as non-sensitive to soiling



VEGAPULS 64	VEGACAP 65
Measuring range - Distance 30 m	Process temperature -50 ... 200 °C
Process temperature -196 ... 200 °C	Process pressure -1 ... 64 bar
Process pressure -1 ... 25 bar	Version Cable ø 6 mm with screening tube without weight Cable ø 6 mm with screening tube and gravity weight Cable ø 6 mm with gravity weight Cable ø 8 mm with abrasion protection without weight Cable ø 8 mm with abrasion protection and gravity weight Cable ø 8 mm with gravity weight PA cable ø 12 mm with screening tube and gravity weight
Accuracy ± 1 mm	
Version with plastic horn antenna ø 80 mm Thread with integrated horn antenna Flange with encapsulated antenna system Hygienic fitting with encapsulated antenna system	
Materials, wetted parts PFA PTFE 316L Alloy C22 (2.4602) PEEK	
Threaded connection ≥ G¾, ≥ ¾ NPT	Materials, wetted parts PTFE 316L PA PEEK Steel
Flange connection ≥ DN50, ≥ 2"	Threaded connection ≥ G1, ≥ 1 NPT
Hygienic fittings Clamp ≥ 2", DN50 - DIN32676, ISO2852 Slotted nut ≥ 2", DN50 - DIN 11851 DRD connection ø 65 mm for NEUMO BioControl D50 PN16 / 316L	Flange connection ≥ DN50, ≥ 2"
Seal material EPDM FKM FFKM	Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
	Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)
	Output Relay (DPDT) Contactless electronic switch Transistor (NPN/PNP) Two-wire
	Ambient temperature -40 ... 80 °C