



Reliable

Reliable function under all operating conditions

Cost effective

Simple installation into existing vessels

User friendly

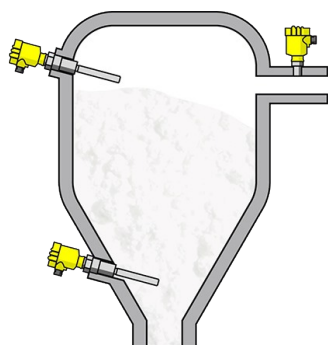
Maintenance-free operation

Buffer tank

Buffer tank pressure measurement and point level detection

In the smelter, above the fused salt electrolysis bath there are small buffer tanks that are pneumatically fed via pipelines. The alumina powder is dispensed into the melt bath in small quantities from these tanks. The filling of the buffer tank is controlled by the feed pressure. Full and empty alarms ensure optimal charging of the powder.

[More details](#)



VEGAWAVE 61

Vibrating level switches as full and empty detectors in buffer tanks

- Reliable function in spite of buildup
- Long service life ensured by very robust construction
- Simple setup without adjustment

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VEGABAR 82

Pressure transmitter for monitoring pressure in the feed pipe

- High durability thanks to CERTEC® ceramic measuring cell
- Measurement immune to abrasion and buildup
- High operational reliability through SIL2 approval

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PRO	PRO
VEGAWAVE 61 Show Product	VEGABAR 82 Show Product
	
Measuring range - Distance -	Measuring range - Distance -
Process temperature -50 ... 250 °C	Measuring range - Pressure -1 ... 100 bar
Process pressure -1 ... 25 bar	Process temperature -40 ... 150 °C
Version Standard Detection of solids in water with temperature adapter	Process pressure -1 ... 100 bar
Materials, wetted parts 316L	Accuracy 0.05 %
Threaded connection ≥ G1½, ≥ 1½ NPT	Materials, wetted parts PVDF 316L Alloy C22 (2.4602) PP 1.4057 1.4410 Alloy C276 (2.4819) Duplex (1.4462) Titanium Grade 2 (3.7035)
Flange connection ≥ DN50, ≥ 2"	
Hygienic fittings Clamp ≥ 2", DN50 - DIN32676, ISO2852	
Seal material no media contact	
Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)	Threaded connection ≥ G½, ≥ ½ NPT
	Flange connection ≥ DN15, ≥ ½"
	Hygienic fittings Clamp ≥ 1" - DIN32676, ISO2852 Slotted nut ≥ DN25 - DIN 11851 hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut DRD connection ø 65 mm SMS 1145 DN51 SMS DN38 Swagelok VCR screwing Varivent G125 Varivent N50-40 for NEUMO BioControl D50 PN16 / 316L
	Seal material EPDM FKM FFKM