



Reliable

Reliable function under all operating conditions

Cost effective

Simple installation into existing vessels

User friendly

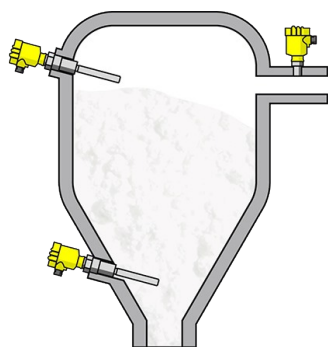
Maintenance-free operation

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
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Measuring range - Distance

-

Process temperature

-50 ... 250 °C

Process pressure

-1 ... 25 bar

Version

Standard
 Detection of solids in water
 with temperature adapter

Materials, wetted parts

316L

Threaded connection

≥ G1½, ≥ 1½ NPT

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)

VEGABAR 82
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Measuring range - Distance

-

Measuring range - Pressure

-1 ... 100 bar

Process temperature

-40 ... 150 °C

Process pressure

-1 ... 100 bar

Accuracy

0.05 %

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)

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