



### Reliable

Reliable function under all operating conditions

### Cost effective

Simple installation into existing vessels

### User friendly

Maintenance-free operation

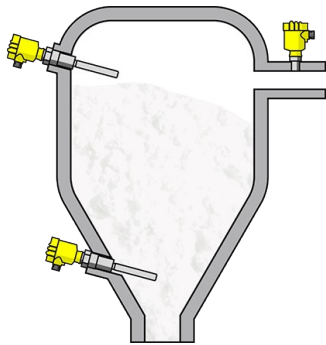
## Buffer tank

### 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

[Show Product](#)



### 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

[Show Product](#)

PRO

PRO

**VEGAWAVE 61**  
[Show Product](#)

**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**  
[Show Product](#)

**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