

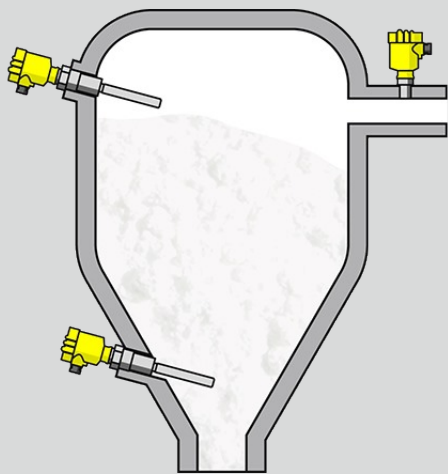


Buffer tank

- Reliable
- Reliable function under all operating conditions
- Cost effective
- Simple installation into existing vessels
- User friendly
- Maintenance-free operation

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.



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



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



VEGAWAVE 61	VEGABAR 82
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"	Threaded connection ≥ G½, ≥ ½ NPT
Hygienic fittings Clamp ≥ 2", DN50 - DIN32676, ISO2852	Flange connection ≥ DN15, ≥ ½"
Seal material no media contact	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
Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)	Seal material EPDM FKM FFKM