



Reliable

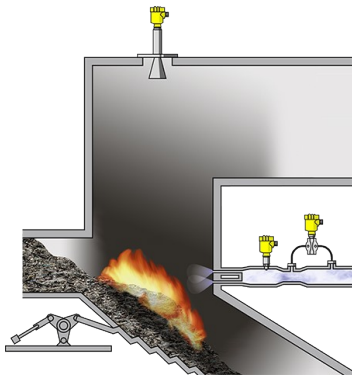
Reliable measurement of the layer thickness and air flow, even at high combustion temperatures

Cost effective

Continuous operation and uniform combustion

User friendly

Maintenance-free measurement



Incinerator

Measurement of waste layer thickness and air flow in the incinerator

To ensure that the waste burns completely, temperatures up to 1000 °C must be maintained. For this purpose, large amounts of primary air from below and secondary air from above are blown in. Air quantity and air pressure must be precisely measured. Also an optimum waste layer thickness on the combustion grate is required for uniform combustion.

[More details](#)



VEGABAR 82

Pressure transmitter for measurement of the combustion air

- High overload and vacuum resistance
- Long-term stability via dry measuring cell
- High measurement accuracy, even with very small measuring ranges

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VEGADIF 85

Measurement of flow rate and pressure of the combustion air using differential pressure transmitter

- Exact measurement, even with very small pressure differential
- High overpressure and vibration resistance thanks to integrated overload diaphragm
- Universally applicable, with a wide selection of measuring ranges and process fittings
- High operational reliability through SIL 2/3 sensor

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VEGAPULS 6X


Non-contact level measurement with radar in the incinerator

- Accurate measurement and precise feed control
- High plant availability thanks to wear and maintenance-free instrumentation
- Unaffected by smoke, dust and noise

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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 ≥ G $\frac{1}{2}$, ≥ $\frac{1}{2}$ NPT
Flange connection ≥ DN15, ≥ $\frac{1}{2}$ "
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

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Measuring range - Pressure -16 ... 16 bar
Process temperature -40 ... 105 °C
Process pressure -1 ... 400 bar
Accuracy 0.065 %
Materials, wetted parts 316L Tantalum Alloy C276 (2.4819) Monel
Threaded connection $\frac{1}{4}$ - 18 NPT
Flange connection ≥ DN32, ≥ 1 $\frac{1}{8}$ "
Seal material EPDM FKM Copper
Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)

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Measuring range - Distance 120 m
Process temperature -196 ... 450 °C
Process pressure -1 ... 160 bar
Accuracy ± 1 mm
Frequency 6 GHz 26 GHz 80 GHz
Beam angle ≥ 3°
Materials, wetted parts PTFE PVDF 316L PP PEEK
Threaded connection ≥ G $\frac{3}{4}$, ≥ $\frac{3}{4}$ NPT
Flange connection ≥ DN20, ≥ $\frac{3}{4}$ "
Hygienic fittings Clamp ≥ 1 $\frac{1}{2}$ " - DIN32676, ISO2852 Slotted nut ≥ 2", DN50 - DIN 11851 Varivent ≥ DN25 hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut Hygienic screw connections ≥ DN50 tube ø53 - DIN11864-1-A Hygienic flange connection ≥ DN50 DIN11864-2 Hygienic clamp connection ≥ DN50 pipe ø53 - DIN11864-3-A DRD connection ø 65 mm SMS 1145 DN51