



Reliable

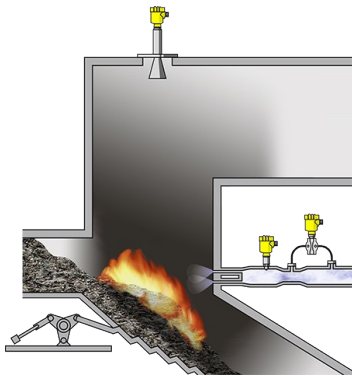
Reliable measurement of the layer thickness and air flow, even at high combustion temperatures

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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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
≥ G $\frac{1}{4}$, ≥ $\frac{1}{4}$ 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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VEGADIF 85
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Measuring range - Pressure

-40 ... 40 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 $\frac{3}{8}$ "
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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VEGAPULS 6X
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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