



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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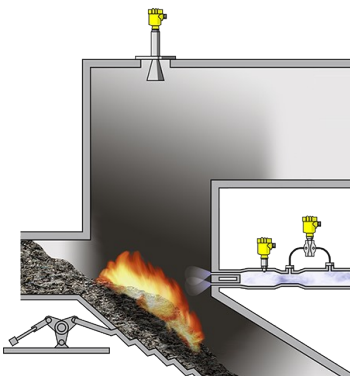


VEGAPULS 6X

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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PRO	PRO	PRO
VEGABAR 82 Show Product	VEGADIF 85 Show Product	VEGAPULS 6X Show Product
		
Measuring range - Distance -	Measuring range - Pressure -40 ... 40 bar	Measuring range - Distance 120 m
Measuring range - Pressure -1 ... 100 bar	Process temperature -40 ... 105 °C	Process temperature -196 ... 450 °C
Process temperature -40 ... 150 °C	Process pressure -1 ... 400 bar	Process pressure -1 ... 160 bar
Process pressure -1 ... 100 bar	Accuracy 0.065 %	Accuracy ± 1 mm
Accuracy 0.05 %	Materials, wetted parts 316L Tantalum Alloy C276 (2.4819) Monel	Frequency 6 GHz 26 GHz 80 GHz
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 ¼ - 18 NPT	Beam angle ≥ 3°
Threaded connection ≥ G½, ≥ ½ NPT	Flange connection ≥ DN32, ≥ 1½"	Materials, wetted parts PTFE PVDF 316L PP PEEK
Flange connection ≥ DN15, ≥ ½"	Seal material EPDM FKM Copper	Threaded connection ≥ G¾, ≥ ¾ NPT
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)	Flange connection ≥ DN20, ≥ ¾"
Seal material EPDM FKM FFKM	Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)	Hygienic fittings Clamp ≥ 1½" - 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