

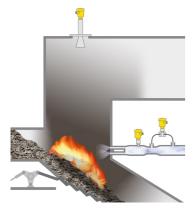
Reliable

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

Show Product



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

Show Product

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

Show Product



VEGABAR 82 Show ProductVEGADIF 85 Show ProductVEGAPULS 6X Show ProductImage ProductImage ProductImage ProductImage ProductImage ProductImage Pressure 4040 barImage Pressure 4040 barImage Pressure 4040 barImage Pressure 4040 barImage Process temperature 4400 barProcess temperature 4400 barProcess temperature 4	PRO	PRO	PRO
40 40 bar120 mMeasuring range - Pressure -1 100 barProcess temperature -40 105 °CProcess temperature -196 450 °CProcess temperature -40 150 °CProcess pressure -1 400 barProcess pressure -1 160 barProcess pressure -1 100 barAccuracy 0.065 %Accuracy 0.065 %Accuracy 26 GHz 26 GHz 28 GHz 28 GHzMaterials, wetted parts PVDF 316L Alloy C227 (2.4602) PPMaterials, wetted connection ¼- 18 NPTFrequency 6 GHz 30 GHzBeam angle ≥3°Materials, wetted parts 0.065 %Threaded connection ¼- 18 NPTThreaded parts β OutputMaterials, wetted parts 80 GHz			
40 40 bar120 mMeasuring range - Pressure -1 100 barProcess temperature -40 105 °CProcess temperature -106 450 °CProcess temperature -40 150 °CProcess pressure -1 400 barProcess pressure -1 160 barProcess pressure -1 100 barAccuracy 0.065 %Accuracy 0.065 %Accuracy 26 GHz 26 GHz 28 GHz 28 GHzMaterials, wetted parts PVDF 316L Alloy C227 (2.4602) PPMaterials, wetted parts 3uperduplex (1.4410)Frequency 6 GHz 28 GHz 80 GHzMaterials, wetted parts 1.4057 1.4410Threaded connection ¼- 18 NPTMaterials, wetted parts 9 TFE			erest and the second se
-1 100 bar-40 105 °C-196 450 °CProcess temperature -40 150 °CProcess pressure -1 400 barProcess pressure -1 160 bar-40 150 °CProcess pressure -1 400 barProcess pressure -1 160 barProcess pressure -1 100 barAccuracy 0.065 %Accuracy ± 1 mmO.05 %Materials, wetted parts 316L Aloy C276 (2.4819) Gold Superduplex (1.4410)Frequency 6 GHz 26 GHz 80 GHzMaterials, wetted parts 9VDF 316L Aloy C22 (2.4602) PPThreaded connection ½ -18 NPTBeam angle ≥ 3°I.4057 1.4410Flange connection PTFEMaterials, wetted parts PTFE	Measuring range - Distance		
-40 150 °C-1 400 bar-1 160 barProcess pressure -1 100 barAccuracy 0.065 %Accuracy ± 1 mmAccuracy 0.055 %Materials, wetted parts 316LFrequency 6 GHz 26 GHz 80 GHzMaterials, wetted parts PVDF 316L Alloy C22 (2.4802) PP 1.4057 1.4410Threaded connection ½ - 18 NPTFrequency 6 GHz 26 GHz 23 °Materials, wetted parts PTEThreaded connection ½ - 18 NPTMaterials, wetted parts PTE			
$-1 \dots 100 \text{ bar}$ 0.065% $\pm 1 \text{ mm}$ Accuracy 0.05% Materials, wetted partsFrequency 0.05% $316L$ 6 GHz Materials, wetted parts $Gold$ $Gold$ 30 GHz PVDF $316L$ GoldSuperduplex (1.4410)Alloy C22 (2.4602) PPThreaded connection $¼-18 \text{ NPT}$ Beam angle $≥ 3°$ I.4057 1.4410 Flange connectionPTFE	-		-
0.05 %316L6 GHzMaterials, wetted partsGold26 GHzPVDFGold80 GHz316LEarn angleAlloy C276 (2.4819)Beam angle316L5.3°Alloy C22 (2.4602)Threaded connectionPP¼ - 18 NPT1.4057Flange connection1.4410PTFE	•	-	
PVDF Superduplex (1.4410) Beam angle 316L Threaded connection ≥ 3° Alloy C22 (2.4602) ¼ - 18 NPT Materials, wetted parts 1.4057 Flange connection PTFE	0.05 %	316L	6 GHz 26 GHz 80 GHz Beam angle
PP ½ - 18 NPT Materials, wetted parts 1.4057 Flange connection PTFE	PVDF 316L	Superduplex (1.4410)	
	PP 1.4057	1⁄4 - 18 NPT	Materials, wetted parts
Duplex (1.4462) 316L	Alloy C276 (2.4819)	≥ DN32, ≥ 1%"	PVDF 316L
Threaded connection EPDM PEEK Threaded connection FKM Threaded connection	Threaded connection	EPDM FKM	РЕЕК
Z G/4, Z /4 NPT Copper ≥ G ³ 4, ≥ ³ 4 NPT Flange connection		Copper	≥ G¾, ≥ ¾ NPT
≥ DN15, ≥ ½" Housing material Flange connection Hygenic fittings Plastic ≥ DN20, ≥ ¾"		Plastic Plastic	_
Nygenic fittingHadminianHygenic fittingsClamp \geq 1" - DIN32676, ISO2852Stainless steel (precision casting)Hygenic fittingsSlotted nut \geq DN25 - DIN 11851Stainless steel (electropolished)Clamp \geq 1½" - DIN32676, ISO2852hygienic fitting with tension flange DN32Slotted nut \geq 2", DN50 - DIN 11851	Clamp ≥ 1" - DIN32676, ISO2852 Slotted nut ≥ DN25 - DIN 11851	Stainless steel (precision casting)	Clamp ≥ 1½" - DIN32676, ISO2852
hygienic fitting F40 with compression nutProtection ratingVarivent ≥ DN25DRD connection ø 65 mmIP66/IP68 (0,2 bar)hygienic fitting with tension flange DN32SMS 1145 DN51IP66/IP67hygienic fitting F40 with compression nut	DRD connection ø 65 mm SMS 1145 DN51	IP66/IP68 (0,2 bar) IP66/IP67	hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut
SMS DN38 IP66/IP68 (1 bar) Hygienic screw connections ≥ DN50 tube ø53 - Swagelok VCR screwing DIN11864-1-A Hygienice flange connection ≥ DN50 DIN11864-2 Varivent G125 Hygienice flange connection ≥ DN50 DIN11864-2 Hygienice flange connection ≥ DN50 DIN11864-2	Swagelok VCR screwing Varivent G125	IP66/IP68 (1 bar)	DIN11864-1-A Hygienice flange connection ≥ DN50 DIN11864-2
for NEUMO BioControl D50 PN16 / 316L 3-A DRD connection ø 65 mm	for NEUMO BioControl D50 PN16 / 316L		DRD connection ø 65 mm
Seal material SMS 1145 DN51 EPDM FKM FFKM	EPDM FKM		SMS 1145 DN51

