



Reliable

Reliable backup detection in the chute

Cost effective

Optimal utilization of the ash container volume

User friendly

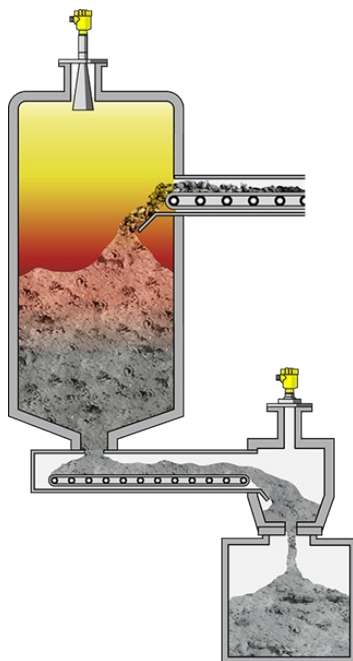
Low maintenance requirements thanks to non-contact measurement

Pyrolysis chamber and ash container

Level measurement in the pyrolysis chamber and in the ash discharger

Waste incineration converts domestic and commercial waste into combustible gases and ash. Pyrolysis is carried out in the absence of air at temperatures up to 500 °C. The intermediate product, charcoal, is then further burned by adding air. Ash and synthesis gas with high thermal content are the end products. For continuous operation, the vessel must be loaded and emptied automatically. To this end, the level of material in the pyrolysis chamber and in the ash pan has to be measured.

[More details](#)



VEGAPULS 6X

Level measurement with radar in the pyrolysis chamber and ash container

- Reliable measurement, even with high temperatures and poorly reflecting medium
- Unaffected by dust, smoke and other harsh environmental conditions
- Maintenance-free thanks to non-contact level measurement
- Integrated air-purge connection for automated cleaning

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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

≥ G¾, ≥ ¾ NPT

Flange connection

≥ DN20, ≥ ¾"

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