

## 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 $500^{\circ} \mathrm{C}$. 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

Show Product

## Show Product



Measuring range - Distance
120 m

## Process temperature

$-196 \ldots 450^{\circ} \mathrm{C}$
Process pressure
-1 ... 160 bar

## Accuracy

$\pm 1 \mathrm{~mm}$
Frequency
6 GHz
26 GHz
80 GHz

## Beam angle

$\geq 3^{\circ}$
Materials, wetted parts
PTFE
PVDF
316L
PP
PEEK

## Threaded connection

$\geq \mathrm{G}^{3} / 4, \geq 3 / 4$ NPT
Flange connection
$\geq$ DN20, $\geq 3 / 4$ "
Hygenic fittings
Clamp $\geq 11 / 22^{\prime \prime}$ - DIN32676, ISO2852
Slotted nut $\geq 2^{\prime \prime}$, DN50 - DIN 11851
Varivent $\geq$ DN25
hygienic fitting with tension flange DN32
hygienic fitting F 40 with compression nut
Hygienic screw connections $\geq$ DN50 tube ø53-
DIN11864-1-A
Hygienice flange connection $\geq$ DN50 DIN11864-2
Hygienic clamp connection $\geq$ DN50 pipe Ø53- DIN11864-
3-A
DRD connection $\varnothing 65 \mathrm{~mm}$
SMS 1145 DN51

