Reliable

Reliable measurement despite highly aggressive media

Cost effective

Long service life thanks to special high-resistance steel

User friendly

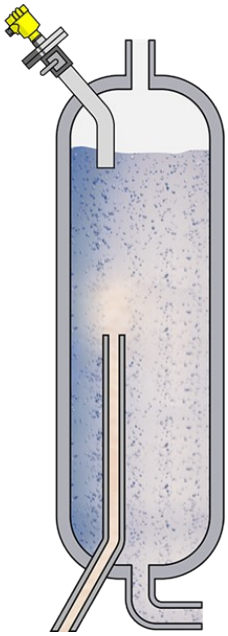
Simple installation, even in difficult spatial conditions

Urea reactor

Level measurement in a urea reactor

In a Urea reactor, ammonium carbonate is decomposed into urea and water. Nearly pure urea is discharged from the reactor via the long pipe, which projects into the upper part of the vessel from the bottom. During the reaction process, the level in the reactor must be kept as constant as possible to maximise the purity and productivity of the process.

More details



VEGAPULS 6X

Non-contact radar level measurement of highly corrosive media inside the standpipe

- Angled design enables lateral mounting
- Special Safurex® steel provides resistance to corrosion
- Reliable measurement independent of difficult process conditions

Show Product

PRO

VEGAPULS 6X

Show Product

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"

Hygenic 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
Hygienice flange connection ≥ DN50 DIN11864-2
Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-3-A
DRD connection ø 65 mm
SMS 1145 DN51