



Urea reactor

Reliable

Reliable measurement despite highly aggressive media

Cost effective

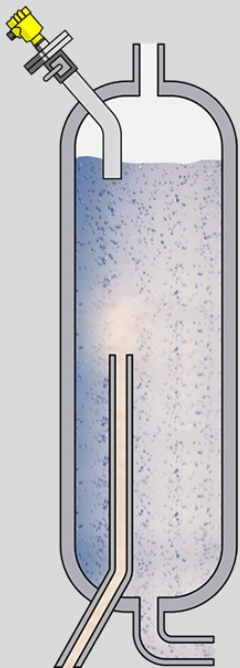
Long service life thanks to special high-resistance steel

User friendly

Simple installation, even in difficult spatial conditions

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.



VEGAPULS 66

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



VEGAPULS 66

Measuring range - Distance

35 m

Process temperature

-60 ... 400 °C

Process pressure

-1 ... 160 bar

Accuracy

± 8 mm

Frequency

6 GHz

Beam angle

≥ 14°

Version

for separate horn antenna
with horn antenna ø 48 mm
with horn antenna ø 75 mm
with horn antenna ø 95 mm
with ø 52 mm standpipe
for separate standpipe
with horn antenna ø 140 mm enamelled
with horn antenna ø 145 mm
with horn antenna ø 160 mm enamelled
with horn antenna ø 195 mm
with horn antenna ø 240 mm

Materials, wetted parts

316L
Alloy C22 (2.4602)
Enamel
Alloy C276 (2.4819)
316
1.4435

Flange connection

≥ DN50, ≥ 2"

Seal material

EPDM
FKM
FFKM
graphit and ceramic
PTFE
Silicone FEP coated