



Reliable

Measurement is independent of the process conditions

Cost effective

Reliable, maintenance-free operation

User friendly

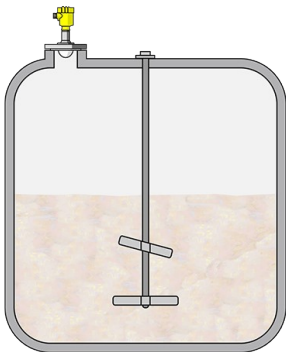
Simple installation from above through a small opening

Dissolving tank

Level measurement in a dissolving tank

The precursors for the manufacture of colour pigments are dissolved in the dissolving tank. These precursors are mainly Naphtha based, and, depending on the formulation, water and sodium hydroxide solution are added as solvents for the production of the basic pigment solution. An agitator ensures uniform mixing of substances as they are added. The level measuring system is needed to ensure reliable values that are delivered to the control system.

[More details](#)



VEGAPULS 6X

Non-contact level measurement with radar in the dissolving tank

- Accurate measuring results independent of pressure, temperature, gas and steam
- Long service life thanks to highly resistant materials
- Reliable measuring results unaffected by foam and agitators

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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