

#### Reliable

Reliable measurement, even under difficult process conditions

Cost effective Maintenance-free operation of the plant

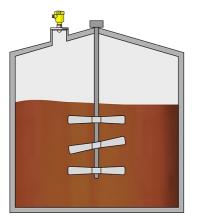
User friendly Simple installation and commissioning

# Coupling vessel

### Level measurement in the coupling vessel

The main reaction in colour pigment production takes place in the 'coupling' vessel. So named as a type of coupling reaction occurs here to form a synthetic 'azo dye', which is then converted into different colour pigments in subsequent process steps. An agitator in the tank ensures constant mixing of the azo dye. Additionally, ice is added for cooling, as otherwise the individual components of the reaction would decompose. Level measurement is required to ensure a smooth process flow.

#### More details





## **VEGAPULS 6X**

Non-contact level measurement with radar in the coupling vessel

- Precise measuring results, independent of pressure, temperature, gas and steam
- Reliable level measurement, even with foam and agitators
- Encapsulated antenna system prevents buildup

**Show Product** 



PRO	
VEGAPULS 6X Show Product	
Process tempo	erature
Process press	sure
Accuracy ± 1 mm	
Frequency 6 GHz 26 GHz 80 GHz	
Beam angle ≥ 3°	
Materials, wett PTFE PVDF 316L PP PEEK	ed parts
Threaded con ≥ G¾, ≥ ¾ NPT	
Flange connection ≥ DN20, ≥ ¾"	
1	DIN32676, ISO2852 , DN50 - DIN 11851
hygienic fitting v hygienic fitting F Hygienic screw DIN11864-1-A Hygienice flang	vith tension flange DN32 <sup>5</sup> 40 with compression nut connections ≥ DN50 tube ø53 - e connection ≥ DN50 DIN11864-2 connection ≥ DN50 pipe Ø53 - DIN11864- n ø 65 mm

