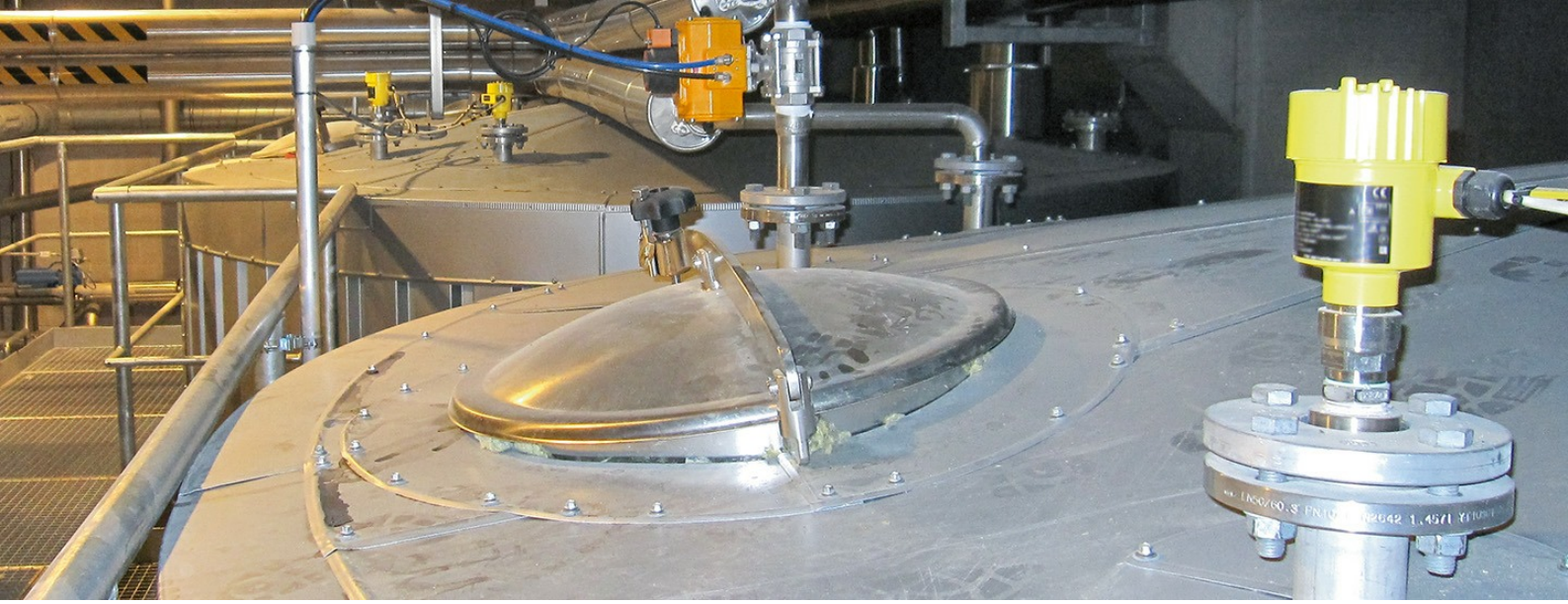

Storage tanks for chemicals and auxiliary substances

Reliable

Reliable, product-independent measurement

Cost effective

Optimal utilization of the container volume

User friendly

Simple installation and setup

Level, switching and pressure measurement in storage tanks

The targeted addition of chemicals and auxiliary substances influences the properties and quality of the paper. Common additives are hydrogen peroxide as well as alkalis, acids and fillers. These chemicals and additives are sometimes aggressive, produce vapours and are at temperatures of up to 95 °C. This means they are often stored in stainless steel or glass fibre reinforced plastic containers. Level and pressure measurements are essential for the safe filling and emptying of the storage tanks and for dry run protection of pumps.

VEGAPULS 64

Non-contact level measurement with radar in storage tanks

- Wear and maintenance-free through non-contact measurement
- Suitable for all media and container types
- High chemical resistance via PTFE-encapsulated antenna system

VEGABAR 39

Pressure measurement as dry run protection for the chemical pumps

- Chemically resistant process diaphragm
- Small, front-flush process fitting
- Reliable measurement of high pressures

VEGASWING 63

Vibrating level switch as overfill protection in the storage tank

- Overfilling of the container is reliably prevented
- WHG-approved instrument ensures legal certainty
- Simple WHG (function) test via keystroke

VEGAPULS 64

Measuring range - Distance
30 m

Process temperature
-196 ... 200 °C

Process pressure
-1 ... 25 bar

Accuracy
± 1 mm

Frequency
80 GHz

Beam angle
≥ 3°

Version
with plastic horn antenna ø 80 mm
Thread with integrated horn antenna
Flange with encapsulated antenna system
Hygienic fitting with encapsulated antenna system

Materials, wetted parts
PFA
PTFE
316L
Alloy C22 (2.4602)
PEEK

Threaded connection
≥ G¾, ≥ ¾ NPT

Flange connection
≥ DN50, ≥ 2"

VEGABAR 39

Measuring range - Pressure
-1 ... 1000 bar

Process temperature
-40 ... 130 °C

Accuracy
0.3 %

Materials, wetted parts
316L

Threaded connection
≥ G½, ≥ ½ NPT

Hygenic fittings
Clamp ≥ 2", DN50 - DIN32676, ISO2852
Clamp ≥ 1" - DIN32676, ISO2852
Clamp ≥ 1½" - DIN32676, ISO2852
Slotted nut ≥ DN25 - DIN 11851
Slotted nut ≥ DN32 - DIN 11851
SMS 1145 DN51
SMS DN38
Hygienic fittings ≥ DN25 - DIN11864-1-A
Hygienic fittings ≥ DN40 - DIN11864-1-A
Varivent N50-40
SMS DN25
Ingold connection PN10
Varivent F25

Housing material
Plastic

Protection rating
IP66/IP67

Output
4 ... 20 mA
Three-wire (PNP/NPN, 4 ... 20 mA)
IO-Link

Ambient temperature
-40 ... 70 °C

VEGASWING 63

Process temperature
-50 ... 250 °C

Process pressure
-1 ... 64 bar

Version
Standard
Hygienic applications
with gas-tight leadthrough
with tube extension
with temperature adapter

Materials, wetted parts
PFA
316L
Alloy C22 (2.4602)
Alloy 400 (2.4360)
ECTFE
Enamel

Threaded connection
≥ G¾, ≥ ¾ NPT

Flange connection
≥ DN25, ≥ 1"

Hygenic fittings
Clamp ≥ 1" - DIN32676, ISO2852
Slotted nut ≥ 1½", ≥ DN40 - DIN 11851
Varivent ≥ DN25
hygienic fitting F40 with compression nut
SMS 1145 DN51
SMS DN38
Hygienic fittings ≥ DN25 - DIN11864-1-A
Hygienic flange connection DIN11864-2-A; DN60(ISO)ø60,3
SMS socket piece DN38 PN6

Seal material
no media contact

Housing material
Plastic
Aluminium
Stainless steel (precision casting)
Stainless steel (electropolished)

Protection rating
IP66/IP67
IP66/IP68 (1 bar)
IP65