

Reliable

Reliable, product-independent measurement

Cost effective

Optimal utilization of the container volume

User friendly

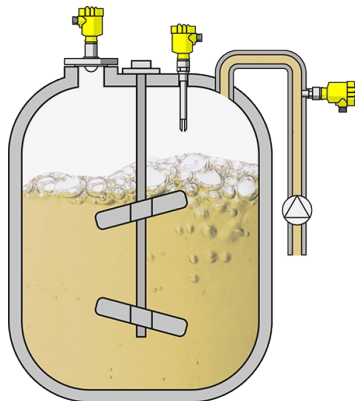
Simple installation and setup

Storage tanks for chemicals and auxiliary substances

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.

More details



VEGAPULS 6X

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

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Pressure measurement as dry run protection for the chemical pumps

- Chemically resistant diaphragm
- Small, front-flush process fitting
- Adjustable switch points for signalling exceeding/falling pressure limits
- Signalling of switch and sensor status using full-colour LED-illuminated ring

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VEGASWING 63

Vibrating level switch as overflow protection in the storage tank

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

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PRO

VEGAPULS 6X
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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

BASIC

VEGABAR 39
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Measuring range - Pressure
 -1 ... 1000 bar

Process temperature
 -40 ... 130 °C

Accuracy
 0.3 %

Materials, wetted parts
 316L

Threaded connection
 ≥ G½, ≥ ½ NPT

Hygienic 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

PRO

VEGASWING 63
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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"

Hygienic 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