

Reliable

Optimal concentration thanks to highly accurate level measurement

Cost effective

Easy cleaning without dismantling

User friendly

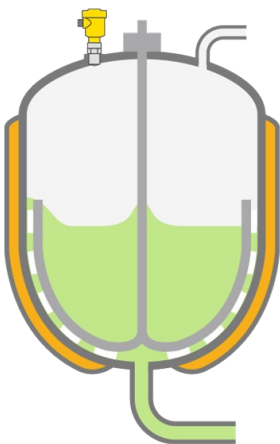
Simple installation and setup

Vacuum evaporator with scraper system

Level measurement in a vacuum evaporator with scraper system and pressure monitoring in the supply line

A thickening vessel fitted with a scraper is used to increase the concentration of extracted solutions by means of evaporation under vacuum. Extremely precise level measurement is required in this process because the concentration is determined by the filling height. The evaporation system operates according to meeting specified levels. As soon as they reach the correct value, the evaporation process is stopped and the concentrated solution is discharged out of the tank.

[More details](#)



VEGABAR 38

Pressure monitoring with IO-Link connection in the supply line of the heating medium

- Reliable measurement thanks to fast response time
- Robust ceramic CERTEC® measuring cell guarantees a long service life
- Simple operation thanks to VDMA menu structure and integrated display

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VEGAPULS 6X

Vacuum evaporator level measurement with non-contact radar

- Measurement down to the bottom of the vessel thanks to tight signal focusing
- Reliable measurement, unaffected by vessel internals due to high dynamic range
- Encapsulated antenna system, insensitive to condensation and buildup
- The front-flush, encapsulated antenna is easy to clean and resistant to the extreme conditions of the CIP and SIP processes

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BASIC

PRO

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Measuring range - Pressure
-1 ... 60 bar

Process temperature
-40 ... 130 °C

Accuracy
0.3 %

Materials, wetted parts
PVDF
316L
Duplex (1.4462)
Ceramic

Threaded connection
≥ G½, ≥ ½ NPT

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

Seal material
EPDM
FKM
FFKM

Housing material
Plastic

Protection rating
IP66/IP67
IP65

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

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