

#### Reliable

Optimal concentration thanks to highly accurate level measurement

#### Cost effective

Easy cleaning without dismantling

#### User friendly

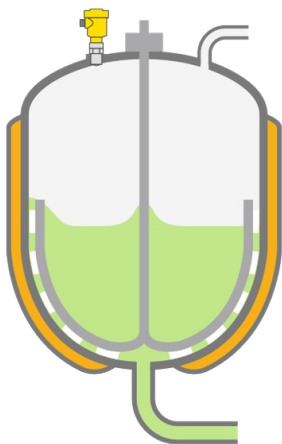
Simple installation and setup

## 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

**VEGABAR 38**  
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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