



Reliable

Reliable measurement ensures reliable operation of the plant

Cost effective

High plant efficiency thanks to precise measurement technology

User friendly

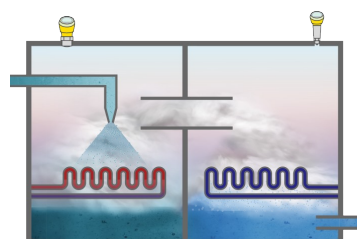
Maintenance and trouble free operation

Evaporation chamber

Level and pressure measurement in multi-stage evaporation systems

In thermal seawater desalination, the drinking water is produced in multi-stage evaporation processes. By connecting the various stages in series with ever lower temperatures, the system's coefficient of performance is significantly increased and its overall efficiency enhanced. Reliable monitoring of the pressures and levels in the various stages is an important prerequisite for optimal operation of the plant.

[More details](#)



VEGAPULS 31

Radar sensor for continuous level measurement in the evaporation chamber

- Exact measuring results unaffected by condensate and agitated surface
- High plant availability thanks to wear and maintenance free measurement
- Secure wireless operation with smartphone, tablet or PC

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VEGABAR 38

Pressure sensor for monitoring pressure in the evaporation chamber

- High accuracy without long-term drift
- 360° status display for quick and easy recognition of switching status
- Simple and fast setup

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BASIC	BASIC
VEGAPULS 31 Show Product	VEGABAR 38 Show Product
	
Measuring range - Distance 15 m	Measuring range - Pressure -1 ... 60 bar
Process temperature -40 ... 80 °C	Process temperature -40 ... 130 °C
Process pressure -1 ... 3 bar	Accuracy 0.3 %
Accuracy ± 2 mm	Materials, wetted parts PVDF 316L Duplex (1.4462) Ceramic
Frequency 80 GHz	Threaded connection ≥ G½, ≥ ½ NPT
Beam angle 8°	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
Materials, wetted parts PVDF	Seal material EPDM FKM FFKM
Threaded connection G1½, 1½ NPT, R1½	Housing material Plastic
Seal material FKM	Protection rating IP66/IP67 IP65
Housing material Plastic	Output 4 ... 20 mA Three-wire (PNP/NPN, 4 ... 20 mA) IO-Link