Reliable

Reliable measurement ensures reliable operation of the plant

Cost effective

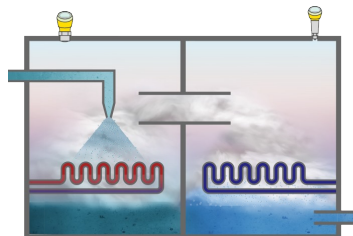High plant efficiency thanks to precise measurement technology

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

Show Product

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

Show Product

	VEGAPULS 31	VEGABAR 38
	BASIC	BASIC

VEGAPULS 31
Show Product

VEGABAR 38
Show Product

VEGAPULS 31	VEGABAR 38
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°	**Hygenic 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	
Threaded connection G1½, 1½ NPT, R1½	
Seal material FKM	**Seal material** EPDM FKM FFKM
Housing material Plastic	**Housing material** Plastic
	Protection rating IP66/IP67 IP65
	Output 4 … 20 mA Three-wire (PNP/NPN, 4 … 20 mA) IO-Link

VEGA HOME OF VALUES