

Reliable

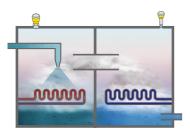
Reliable measurement ensures reliable operation of the plant

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



BASIC	BASIC
VEGAPULS 31 Show Product	
VELA	
Measuring range - Distance	Measuring ran
15 m	-1 60 bar
Process temperature -40 80 °C	Process tempe -40 130 °C
Process pressure	Accuracy
-1 3 bar	0.3 %
Accuracy	Materials, wette
± 2 mm	PVDF
Frequency	316L Duplex (1.4462)
80 GHz	Ceramic
Beam angle	Threaded conr
8°	≥ G½, ≥ ½ NPT
Materials, wetted parts	Hygenic fitting
PVDF	Clamp ≥ 2", DN
Threaded connection	Clamp ≥ 1" - DI Clamp ≥ 1½" - D
G11/2, 11/2 NPT, R11/2	Slotted nut $\ge 1\frac{1}{2}$
Seal material	Slotted nut ≥ DN
FKM	SMS DN38 Hygienic fittings
Housing material	Hygienic fittings
Plastic	Varivent N50-40
	SMS DN25

VEGABAR 38 Show Product Weasuring 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 Hygenic fittings Clamp ≥ 2°, DN50 - DIN32676, ISO2852 Clamp ≥ 1°, - DIN32676, ISO2852 Slotted nut ≥ 10%2 - DIN 11851 SM5 DN38 Hygienic fittings ≥ DN25 - DIN11864-1-A Hygienic fittings ≥ DN25 - DIN11864-1-A Hygienic fittings ≥ DN40 - DIN11864-1-A Hygienic fittings ≥ DN25 - DIN11864-1-A Hygienic fittings ≥ DN40 - DIN	BASIC	
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-1 60 bar Process temperature -40 130 °C Accuracy 0.3 % Materials, wetted parts PVDF 316L Duplex (1.4462) Ceramic Threaded connection $\geq G'_{2} \geq 1_{2}$ NPT Hygenic fittings Clamp $\geq 2^{"}$, DN50 - DIN32676, ISO2852 Clamp $\geq 1^{"}$ - DIN32676, ISO2852 Clamp $\geq 1^{"}$ - DIN32676, ISO2852 Clamp $\geq 1^{1/2}^{"}$ - DIN32676, ISO2852 Slotted nut $\geq 11/2^{"}$, \geq DN40 - DIN 11851 Slotted nut $\geq 11/2^{"}$, \geq DN40 - DIN 11851 SMS DN38 Hygienic fittings \geq DN25 - DIN11864-1-A Hygienic fittings \geq 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)		
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EPDM FKM FFKM Housing material Plastic Protection rating IP66/IP67 IP65 Output 4 20 mA Three-wire (PNP/NPN, 4 20 mA)	$\label{eq:clamp} Clamp \geq 2", DN \\ Clamp \geq 1" - D \\ Clamp \geq 11/2" - \\ Slotted nut \geq 11 \\ Slotted nut \geq D \\ SMS DN38 \\ Hygienic fittings \\ Hygienic fittings \\ Varivent N50-4 \\ SMS DN25 \\ Ingold connecti$	50 - DIN32676, ISO2852 IN32676, ISO2852 DIN32676, ISO2852 ½", ≥ DN40 - DIN 11851 N25 - DIN 11851 s ≥ DN25 - DIN11864-1-A s ≥ DN40 - DIN11864-1-A 0
Plastic Protection rating IP66/IP67 IP65 Output 4 20 mA Three-wire (PNP/NPN, 4 20 mA)	EPDM FKM	
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