



Steam separator

Reliable

The materials used do not interact with the medium.

Cost effective

Maximum process efficiency is guaranteed through reliable measurement

User friendly

Standardized adapter system for all process fittings

Steam separator pressure measurement and point level detection.

In the production of purified water, the process begins with tap water being fed into the steam separator. The tap water evaporates there and is fed into the condenser. Evaporation is effected by a heat exchanger supplied with saturated steam. To ensure that the heat exchanger is always covered with tap water, reliable level detection is required. The pressure inside the steam separator must be kept constant in order to achieve maximum efficiency.



VEGABAR 83

Pressure transmitter for gauge pressure measurement in the vapour phase

- Good cleanability thanks to hygienic design
- Approved materials according to EC 1935/2004 and FDA
- Elastomer-free transmitter construction reduces maintenance costs

VEGABAR 29

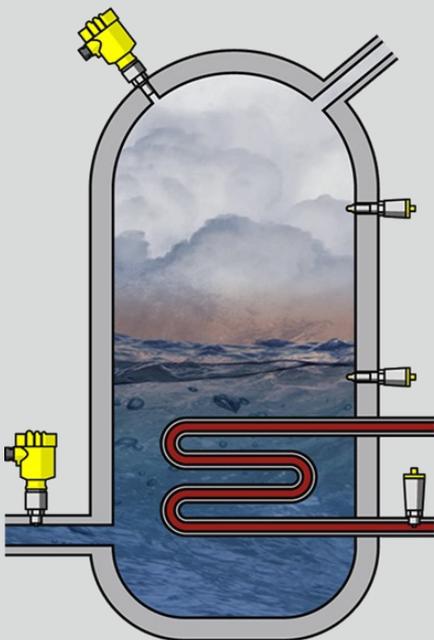
Pressure transmitter for pressure measurement in the saturated steam pipeline

- Accurate process control thanks to fast response time
- Installation above water pocket tube allows use even at high temperatures
- Easy-to-read display with VDMA menu structure that includes plain text descriptions

VEGAPOINT 21

Capacitive level switch for point level detection in the steam separator

- Reliable switching point in water and steam
- Good cleanability thanks to hygienic design
- 360° display of the switching status
- IO-Link connection for simple integration





VEGABAR 83	VEGABAR 29	VEGAPOINT 21
Measuring range - Distance -	Measuring range - Pressure -1 ... 1000 bar	Process temperature -40 ... 115 °C
Measuring range - Pressure -1 ... 1000 bar	Process temperature -40 ... 130 °C	Process pressure -1 ... 25 bar
Process temperature -40 ... 200 °C	Accuracy 0.3 %	Materials, wetted parts 316L PEEK
Process pressure -1 ... 1000 bar	Materials, wetted parts 316L	Threaded connection ≥ G½, ≥ ½ NPT
Accuracy 0.075 %	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
Materials, wetted parts 316L Alloy C22 (2.4602) 316Ti (1.4571) Alloy C4 (2.4610)	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 1145 DN51 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
Threaded connection ≥ G½, ≥ ½ NPT	Protection rating IP65 IP68 (0,5 bar)/IP69	Protection rating IP66/IP67 IP69
Flange connection ≥ DN25, ≥ 1"	Output 4 ... 20 mA Three-wire (PNP/NPN, 4 ... 20 mA) IO-Link	Output Transistor (NPN/PNP) IO-Link
Hygienic fittings Clamp ≥ 1" - DIN32676, ISO2852 Slotted nut ≥ DN25 - DIN 11851 Varivent ≥ DN25 hygienic fitting with tension flange DN32 Hygienice flange connection ≥ DN50 DIN11864-2 SMS 1145 DN51 SMS DN38 Hygienic fittings ≥ DN33 - DIN11864-1-A Hyg. collar clamp adapter DN40PN40 DIN11864-3-A Hyg. clamp connection DIN11864-3-A; DN50 Rohr ø53 Swagelok VCR screwing Varivent G125	Ambient temperature -40 ... 70 °C	Ambient temperature -40 ... 70 °C
Seal material EPDM FKM FFKM FEPM		