



Reliable

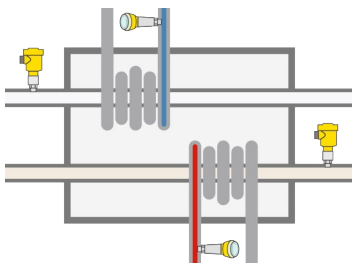
Reliable separation of media streams

Cost effective

Energy savings thanks to heat recovery through reliable measurement

User friendly

Simple connection via standardised IO-Link



Heat exchanger

Pressure measurement during pasteurisation in the heat exchanger

In a plate heat exchanger, the milk is heated up to +85 °C, depending on the process, so that all germs are killed. The milk is heated in multiple sections, kept hot and cooled down again by cold, inflowing milk. This in turn warms up the inflowing milk. Reliable pressure measurement is required to maintain an optimal process in the heat exchanger.

More details



VEGABAR 83

Pressure transmitter for pressure monitoring in the raw milk and pasteurised milk pipelines

- Robust measuring cell guarantees long-term stability
- Suitable for CIP cleaning processes, temperature resistant up to +150 °C
- Bluetooth communication for easy diagnosis

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VEGABAR 38

Pressure sensor with I/O link connection for pressure monitoring in the feed line for the cooling medium

- Simple operation thanks to VDMA menu structure and integrated display
- Ceramic CERTEC® measuring cell is totally resistant to cooling water
- Thanks to the 360° status display, the different operating statuses can be clearly recognised

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VEGABAR 39

Pressure sensor with I/O-Link connection for pressure monitoring in the feed line for the heating medium.

- Reliable measurement thanks to fast response time
- Simple operation thanks to VDMA menu structure and integrated display
- Bluetooth communication for easy diagnosis

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Measuring range - Distance

-

Measuring range - Pressure

-1 ... 1000 bar

Process temperature

-40 ... 200 °C

Process pressure

-1 ... 1000 bar

Accuracy

0.075 %

Materials, wetted parts

316L
Alloy C22 (2.4602)
316Ti (1.4571)
Alloy C4 (2.4610)

Threaded connection

≥ G½, ≥ ½ NPT

Flange connection

≥ DN25, ≥ 1"

Hygienic fittings

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

Seal material

no media contact

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

Measuring range - Pressure

-1 ... 1000 bar

Process temperature

-40 ... 130 °C

Accuracy

0.3 %

Materials, wetted parts

316L

Threaded connection

≥ G½, ≥ ½ NPT

Hygienic fittings

Clamp ≥ 2", DN50 - DIN32676, ISO2852
Clamp ≥ 1" - DIN32676, ISO2852
Clamp ≥ 1½" - DIN32676, ISO2852
Slotted nut ≥ DN25 - DIN 11851
Slotted nut ≥ DN32 - 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

Housing material

Plastic

Protection rating

IP66/IP67

Output

4 ... 20 mA
Three-wire (PNP/NPN, 4 ... 20 mA)
IO-Link

Ambient temperature

-40 ... 70 °C