



**Safe**

Reliable separation of media streams

**Cost effective**

Energy savings thanks to heat recovery through reliable measurement

**User friendly**

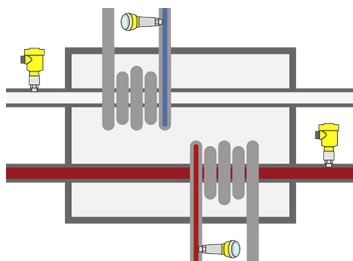
Simple connection via standardised IO-Link

## Tomato juice heat exchanger

### Pressure measurement during thermal sterilisation in the heat exchanger

In the plate heat exchanger, the tomatoes are heated up to about +85 °C, depending on the product, so that all germs are killed. The tomatoes are heated in multiple sections, kept hot for a time and then cooled down again. This process is suitable for thermal treatment of tomato concentrate, pulp and juice. Reliable pressure measurement is required to maintain an optimal process in the heat exchanger.

[More details](#)



### VEGABAR 83



Pressure transmitter for monitoring pressure in 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 resistant to cooling water
- Thanks to the 360° status display, different operating statuses can be quickly and 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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PRO

BASIC

BASIC

**VEGABAR 83**  
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**VEGABAR 38**  
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**VEGABAR 39**  
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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  
Hygienic 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 ≥ ½" - DIN32676, ISO2852  
Slotted nut ≥ ½", ≥ 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 ≥ ½" - 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