

### Reliable

Reliable pressure measurement in the lubrication system, even with strong vibration

### Cost effective

Long-term stable vacuum measurement with oil-free ceramic measuring cell

### User friendly

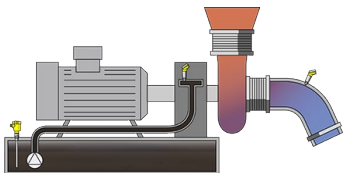
Temperature information on air and lubricating oil also available for the control system

## Vacuum system

### Level and pressure measurement in the vacuum system

A vacuum system is used to perform dewatering on the high-speed paper machines. The required high vacuum is generated by a single or multi-stage centrifugal blower. The strength of the vacuum is regulated by the rotational speed of the electric drives. For this purpose, the vacuum must be continuously measured. It is also necessary to monitor the bearing lubrication system to ensure reliable operation of the vacuum blower itself. To achieve this, the pressure in the lubricating lines and the level in the lube oil supply tank need to be measured.

[More details](#)



### VEGABAR 38

Pressure measurement for speed control of the pump drive

- Long-term stable vacuum measurement with dry measuring cell
- Air and lubricating oil temperature information also available from the transmitter for the control System
- Reliable operation through high overload resistance

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### VEGACAL 63

Capacitive level measurement in the oil supply tank

- Economical level measurement through use of low-cost transmitter
- Long service life thanks to robust mechanical design
- Maximum tank utilization, as probe measures over its entire length

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## BASIC

## PRO

## VEGABAR 38

[Show Product](#)**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

## VEGACAL 63

[Show Product](#)**Measuring range - Distance**

6 m

**Process temperature**

-50 ... 200 °C

**Process pressure**

-1 ... 64 bar

**Version**

PE insulation  
PE insulation and concentric tube  
PTFE insulation  
PTFE insulation with screening tube PN1  
PTFE insulation with screening tube PN16  
PTFE insulation with screening tube PN40  
PTFE insulation and concentric tube

**Materials, wetted parts**

PTFE  
316L  
Alloy C22 (2.4602)  
Alloy 400 (2.4360)  
PE  
Steel C22.8

**Threaded connection**

≥ G½, ≥ ½ NPT

**Flange connection**

≥ DN25, ≥ 1"

**Seal material**

no media contact

**Housing material**

Plastic  
Aluminium  
Stainless steel (precision casting)  
Stainless steel (electropolished)

**Protection rating**

IP66/IP68 (0,2 bar)  
IP66/IP67  
IP66/IP68 (1 bar)