



#### Reliable

Reliable measurements ensure consistent operation of the paper machine

#### Cost effective

Differential pressure transmitters with pitot tube for low-cost oil flow measurement

#### User friendly

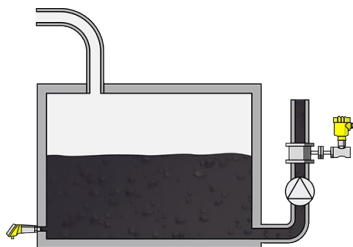
Convenient reading of the level directly at the measuring point

## Hydraulic oil station

### Level and flow measurement in the hydraulic oil station

In the press section of a paper machine, very high pressures are needed for dewatering the stock. Hydraulic oil stations provide the supply to the various parts of the machine as well as filtering and cooling the recirculating lubrication system. Integrated pumps provide oil to the required locations and to enable fully automatic operation of the station, the flow rate and the level in the supply tanks must be measured.

[More details](#)



#### VEGADIF 85

Flow measurement in the hydraulic oil line via differential pressure

- Reliable flow values ensure high operational reliability of the paper machine
- Cost-effective flow measurement with differential pressure and pitot tube
- Direct mounting of the differential pressure transmitter at the measuring point

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#### VEGABAR 38

Hydrostatic level measurement in the oil supply tank

- Abrasion and overload resistant ceramic measuring cell guarantees high reliability
- Additional recording and display of the oil temperature

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PRO

BASIC

**VEGADIF 85**  
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**Measuring range - Pressure**  
 -40 ... 40 bar

**Process temperature**  
 -40 ... 105 °C

**Process pressure**  
 -1 ... 400 bar

**Accuracy**  
 0.065 %

**Materials, wetted parts**  
 316L  
 Tantalum  
 Alloy C276 (2.4819)  
 Monel

**Threaded connection**  
 ¼ - 18 NPT

**Flange connection**  
 ≥ DN32, ≥ 1½"

**Seal material**  
 EPDM  
 FKM  
 Copper

**Housing material**  
 Plastic  
 Aluminium  
 Stainless steel (precision casting)  
 Stainless steel (electropolished)

**Protection rating**  
 IP66/IP68 (0,2 bar)  
 IP66/IP67  
 IP66/IP68 (1 bar)

**VEGABAR 38**  
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**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