



## Hydraulic oil station

### 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

### 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.



#### VEGADIF 85

Flow measurement in the hydraulic oil line via differential pressure

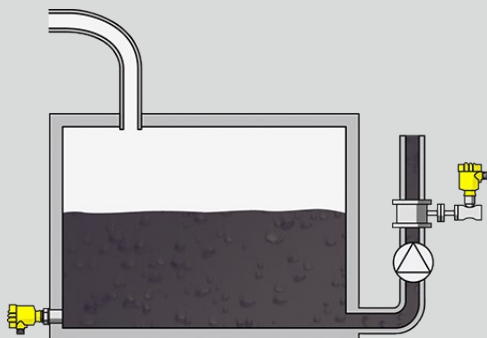
- Reliable flow values ensure high operational reliability of the paper machine
- Cost-effective flow measurement with differential pressure and pitot tube
- Direct mounting of the differential pressure transmitter at the measuring point



#### 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





VEGADIF 85	VEGABAR 38
Measuring range - Pressure -16 ... 16 bar	Measuring range - Pressure -1 ... 60 bar
Process temperature -40 ... 120 °C	Process temperature -40 ... 130 °C
Process pressure -1 ... 400 bar	Accuracy 0.3 %
Accuracy 0.065 %	Materials, wetted parts PVDF 316L Duplex (1.4462) Ceramic
Materials, wetted parts 316L Tantalum Alloy C276 (2.4819) Monel	Threaded connection ≥ G½, ≥ ½ NPT
Threaded connection ¼ - 18 NPT	Hygienic fittings Clamp ≥ 2" - 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
Flange connection ≥ DN32, ≥ 1½"	Seal material EPDM FKM FFKM
Seal material EPDM FKM Copper	Housing material Plastic
Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)	Protection rating IP66/IP67 IP65
Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)	Output 4 ... 20 mA Three-wire (PNP/NPN, 4 ... 20 mA) IO-Link