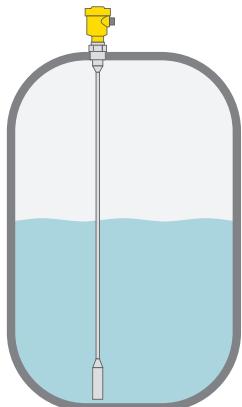


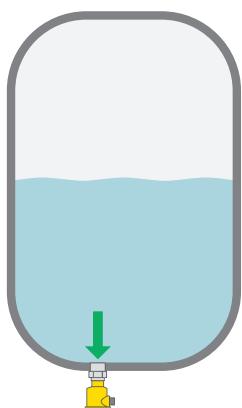
# Hydrostatic



## Hydrostatic pressure measurement

The measuring cell of the pressure transmitter detects minute changes in hydrostatic pressure, which increases or decreases depending on the filling level. The acting pressure is converted into an output signal by the integrated electronics.

Ceramic-capacitive and metallic measuring cells are used to detect the pressure in hydrostatic pressure measurement.



## The advantages

- ✓ The temperature of the medium can also be measured
- ✓ Hydrostatic pressure measurement is not affected by foam generation or vessel internals
- ✓ Precise adaptation to the process through selection of appropriate measuring cells and housing materials

PRO	PRO	PRO
VEGAWELL 52	VEGABAR 86	VEGABAR 87
		
Liquids	Liquids	Liquids
22 mm or 32 mm	32 mm	40 mm
0.1 %; 0.2 %	0.1 %	0.1 %
CERTEC®/MINI-CERTEC® FKM, EPDM, FFKM	CERTEC® FKM, EPDM, FFKM	METEC® –
Straining clamp, thread, suspension cable, threaded fitting of 316L, PVDF, Duplex, Titanium	Straining clamp, suspension cable, threaded fitting, thread from G1½, 1½ NPT, flanges from DN 40, 2" of 316L, PVDF	Straining clamp, suspension cable, threaded fitting, thread from G1½, 1½ NPT, flanges from DN 50, 2" of 316L
-20 ... +80 °C	-20 ... +100 °C	-12 ... +100 °C
Absolute and relative 0 ... +60 bar (0 ... +6000 kPa)	Absolute and relative 0 ... +25 bar (0 ... +2500 kPa)	Absolute and relative 0 ... +25 bar (0 ... +2500 kPa)
up to 150-fold measuring range	up to 200-fold measuring range	up to 150-fold measuring range
4 ... 20 mA 4 ... 20 mA/HART + Pt100	4 ... 20 mA, 4 ... 20 mA/HART, Profibus PA, Foundation Fieldbus, Modbus	4 ... 20 mA, 4 ... 20 mA/HART, Profibus PA, Foundation Fieldbus, Modbus
PACTware/DTM, VEGADIS 82	PLICSCOM, PACTware/DTM, VEGADIS 81, VEGADIS 82, VEGA Tools app	PLICSCOM, PACTware/DTM, VEGADIS 81, VEGADIS 82, VEGA Tools app
ATEX, UKEX, IECEx, FM, CSA, EAC (GOST), UKR Sepro, Overfill protection, Ship	ATEX, UKEX, IECEx, FM, CSA, NEPSI, EAC (GOST), UKR Sepro, INMETRO, CCOE, SEPRO, Overfill protection, Ship, SIL2/3	ATEX, UKEX, IECEx, FM, CSA, NEPSI, EAC (GOST), UKR Sepro, INMETRO, CCOE, SEPRO, Overfill protection, Ship, SIL2/3
✓ Versatile application thanks to robust housing and cable design	✓ High plant availability through very high overload and vacuum resistance of the ceramic measuring cell	✓ High measurement certainty even with quickly changing process temperatures