



## Ozone gas collection pipe

### Pressure measurement in the ozone collection pipe

Ozone is used for the disinfection of drinking water. It is produced from oxygen in a hyperbaric reactor by means of electrical energy. The gas produced then flows into the ozone gas collection pipe. Reliable pressure measurement is mandatory in order to keep the pressure in the pipeline constant and monitor the process integrity.

- Reliable
- Dependable measurement for safe, reliable containment through Second Line of Defense
- Cost effective
- Maintenance-free operation
- User friendly
- Simple parameterization and on-site display



### VEGABAR 82

Pressure transmitter for pressure monitoring in the ozone gas collection pipe

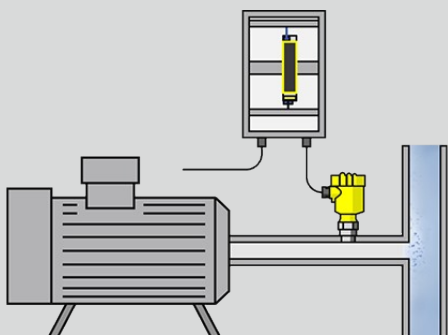
- The ceramic CERTEC® measuring cell is fully resistant to ozone
- Reliable measurement assured through high measurement accuracy
- Second Line of Defense inside transmitter for additional process security



### VEGATRENN 141

Separator for optimum supply of power to the connected sensors

- On-site diagnostics for direct display of status via LEDs
- Simple parametrization interface with HART sockets for convenient operation
- Ensures galvanic separation between sensor and PLC





VEGABAR 82	VEGATRENN 141
Measuring range - Distance -	Protection rating IP20
Measuring range - Pressure -1 ... 100 bar	Input 1 x 4 ... 20 mA/HART sensor input
Process temperature -40 ... 150 °C	Output 1 x 4 ... 20 mA
Process pressure -1 ... 100 bar	Ambient temperature -20 ... 60 °C
Accuracy 0.05 %	
Materials, wetted parts PVDF 316L Alloy C22 (2.4602) PP 1.4057 1.4410 Alloy C276 (2.4819) Duplex (1.4462) Titanium Grade 2 (3.7035)	
Threaded connection ≥ G½, ≥ ½ NPT	
Flange connection ≥ DN15, ≥ ½"	
Hygienic fittings Clamp ≥ 1" - DIN32676, ISO2852 Slotted nut ≥ DN25 - DIN 11851 hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut DRD connection ø 65 mm SMS 1145 DN51 SMS DN38 Swagelok VCR screwing Varivent G125 Varivent N50-40 for NEUMO BioControl D50 PN16 / 316L	
Seal material EPDM FKM FFKM	