

Reliable

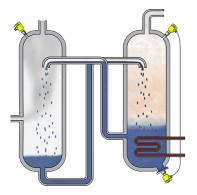
Reliable measurement, independent of the process conditions

Cost effective

Resistant materials deliver long service life

User friendly

One sensor, two measured values: ceramic cell measures temperature and pressure



Gas scrubber

Level and pressure measurement in gas scrubbers

Carbon dioxide is separated from a gas mixture via two scrubbing columns. The gas mixture consisting of nitrogen, hydrogen and carbon dioxide passes through a gas pipeline into the first stage gas scrubber. An added solvent, usually aniline, binds with the carbon dioxide, which is then forwarded in liquid form to a gas scrubber or 'desorber' where it is "washed" out of the liquid. The process pressure is monitored during the absorption process, which takes place at high pressure and low temperature. The actual separation of the carbon dioxide from the liquid, however, is carried out under low pressure and high temperature, where the level of the liquid needs to be kept as constant as possible.

More details



VEGABAR 83

Pressure transmitter for monitoring pressure in the gas scrubber

- Reliable measurement independent of high pressures
- High chemically resistant measuring cell ensures long-term plant operation
- Special seals prevent diffusion by ammonia

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VEGABAR 82

Level measurement by means of electronic differential pressure

- Reliable measurement independent of tank internals
- Integrated temperature sensor saves cost of additional temperature measuring instruments
- Excellent plant availability with high overload capacity ceramic CERTEC® measuring cell

Show Product



	VEGABAR 83 Show Product	
Measuring ran -	ge - Distance	
Measuring ran -1 1000 bar	ge - Pressure	
Process temp	erature	
Process press	sure	
Accuracy 0.075 %		
Materials, wett 316L Alloy C22 (2.46 316Ti (1.4571) Alloy C4 (2.461	02)	
Threaded con ≥ G½, ≥ ½ NPT		
Flange conneo ≥ DN25, ≥ 1"	ction	
Hygenic fitting		
Varivent ≥ DN2 hygienic fitting v	vith tension flange DN32 e connection ≥ DN50 DIN11864-2	
Hygienic fittings Hyg. collar clarr	≥ DN33 - DIN11864-1-A p adapter DN40PN40 DIN11864-3-A nection DIN11864-3-A; DN50 Rohr ø53 screwing	
Seal material		

PRO

	VEGABAR 82
	Show Product
Me	easuring range - Distance
-	
	easuring range - Pressure 100 bar
	ocess temperature) 150 °C
	ocess pressure 100 bar
	scuracy)5 %
Ma	aterials, wetted parts
31 All PF 1.4 All Du	oy C22 (2.4602)
	readed connection G½, ≥ ½ NPT
	ange connection DN15, ≥ ½"
Cla Slo hy DF SN SN SN Va Va	rgenic fittings amp ≥ 1" - DIN32676, ISO2852 bitted nut ≥ DN25 - DIN 11851 gienic fitting with tension flange DN32 gienic fitting F40 with compression nut RD connection ϕ 65 mm AS 1145 DN51 AS DN38 vagelok VCR screwing rivent G125 rivent N50-40 NEUMO BioControl D50 PN16 / 316L
Se	al material
	РDМ (М

