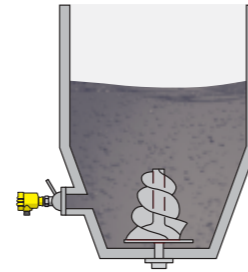




## VEGABAR 54: Application examples

### Pulper

The waste paper or pulp bales are repulped by adding process water. VEGABAR 54 is used for level measurement via flange or welded socket.



#### Advantages

- highly abrasion and overload resistant CERTEC®
- protected seal
- electronics optimally protected against moisture

### Storage towers

Stock from pulper discharge or processed stock is intermediately stored in large towers. The connection of VEGABAR 54 for level measurement is carried out via the PASVE fitting.

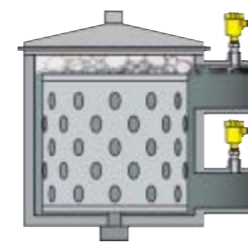


#### Advantages

- service-friendly fittings
- rugged aluminium housing
- electronics with perfect moisture protection

### Sorter

Sorters separate out impurities via perforated or slotted strainers. VEGABAR 54 carries out pressure measurement in the intake and discharge pipes. The instrument is connected by means of a welded socket.

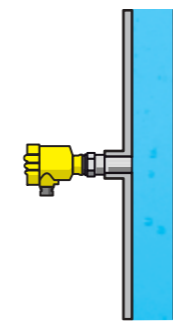


#### Advantages

- front-flush CERTEC®
- self-cleaning effect
- especially vibration resistant

### Pipelines

Pulp and paper additives are conveyed through various pipelines. VEGABAR 54 is used for pressure measurement or dry run protection of pumps. The instrument is connected by means of a welded socket.



#### Advantages

- front-flush CERTEC®
- installation even on pipes with small diameter
- self-cleaning effect



## VEGABAR 54

Level and pressure measurement  
for the paper industry



# VEGA

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# VEGA

## VEGABAR 54: Level and pressure measurement in the paper industry

### New ceramic measuring cell solves a core problem of the paper industry!

Extreme abrasive wear on pressure transmitters with small process fittings has been a core problem for many years. With its small, newly developed CERTEC® measuring cell, VEGABAR 54 is the ideal solution. A diameter of only 17.5 mm enables a completely front flush mounting into 1" and ¾" fittings, as well as into the PASVE service fitting. So even with these fittings the user can benefit from the high abrasion and overload resistance of CERTEC®.



### The electronics facts

Measuring range (overload)	0.1 bar to 20 bar (60 bar to 300 bar)
Process fittings	PASVE, 1/2", 3/4", 1"
Linearity	incl. hysteresis and reproducibility 0.1 %
Longterm stability	better 0.1 % / 1 year
Signal outputs	4 ... 20 mA/HART, Profibus PA, Foundation Fieldbus
Connection	plug acc. to DIN 43650 A, terminals
Protection class	IP 66/67 and IP 68



### Ceramic and seal concept

In the paper industry, the CERTEC® ceramic measuring cell is implemented in over 20,000 applications worldwide. It is practically a synonym for front flush mounting and high overload and abrasion resistance. The radial seal is recessed and optimally protected against the medium. Through its unique front-flush design, the CERTEC® measuring cell is far superior to other ceramics on the market.

### Extreme conditions in the paper industry

Level and pressure transmitters operate under very harsh process conditions. Foreign bodies and additives in waste paper recycling cause heavy wear and abrasion on the instruments. Fast closing valves and falling stock bales in pulpers generate pressure and vacuum shocks.

Pressure transmitters with a metal diaphragm cannot handle this kind of treatment over a longer period of time. The consequences are well known: instrument failure, continuous losses through plant downtime, cost-intensive replacement parts and servicing.

### Long-term cost reduction

VEGABAR 54 is tailor-made for quick replacement of existing pressure transmitters. Its application translates into high plant availability, failure safety and long-term reduction of operating costs.

### All advantages at a glance

- short delivery period ex factory
- fast exchange through plug and play
- factory set-up free of charge or on site via PLICSCOM or HART
- universal plics® functionality
- 2 year function guarantee
- no downtime thanks to CERTEC® ceramic technology

plics®  
indication and  
adjustment  
module



PLICSCOM

plics®  
housing



Plastic



Stainless steel



Aluminium



Aluminium  
(2 chamber)

electronics



4 ... 20 mA/HART



Profibus PA



Foundation  
Fieldbus

### plics® - Easy is better

plics® systemises the technology of level, switching and pressure measurement. The synergy of VEGA's building block system plics® reduces expenditures of time and money: from selection to set-up to service.



Picture in original size