

#### Reliable

Reliable control of screen cleaning

#### Cost effective

Non-contact and wear-free measurement

### User friendly

Maintenance-free operation of the system



# Coarse and fine screens

## Differential water level measurement for control of screen raking

Mechanical cleaning removes entrained floating matter with screens or sieves. This protects the downstream process stages from buildup, clogging and abrasion. Solids with diameters greater than 25 mm are trapped in the coarse screens, compressed in a press and then disposed of. Finer secondary screens remove smaller residual materials. Measurement of the difference in water level between the front and the back of the screen determines the degree of contamination and initiates the cleaning of the screen when necessary.

#### More details



## **VEGAPULS C 21**

The radar sensors measure the water level difference between the front and back of the rake screen

- Exact measuring results unaffected by ambient conditions
- High plant availability thanks to wear and maintenance free measurement
- Secure wireless operation via Bluetooth with smartphone, tablet or PC

## **Show Product**



# **VEGAMET 842**

Controller for measured value processing and display

- Universal controller for two analogue sensors for differential measurement
- Analogue outputs for connection to process control systems
- Fast setup via simple menu navigation and application wizards

# **Show Product**



## BASIC

VEGAPULS C 21 Show Product	VEGA Show
Measuring range - Distance	Protection rating
15 m	IP66/IP67, Type 4X
Process temperature	Input
-40 80 °C	2 x 4 20 mA sensor inpu
Process pressure	Output
-1 3 bar	3 x operating relay
Accuracy	1x failure relay (instead of c
± 2 mm	2x 0/4 20 mA current outp
	Ambient temperature
Frequency 80 GHz	-40 60 °C
Beam angle	
8°	
Materials, wetted parts	
PVDF	
Threaded connection	
G1½/G1, 1½NPT/1NPT, R1½/R1	
Seal material	
FKM	
Protection rating	
IP66/IP68 (3 bar), Type 6P	



operating relay) tput

