



**Reliable**

Reliable monitoring of the dewatering process

**Cost effective**

Optimal operation of the equipment

**User friendly**

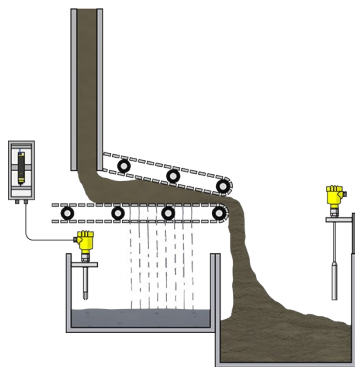
Robust, maintenance-free sensor technology

## Sludge dewatering

### Level detection of sludge and water

The digested sludge is dewatered prior to drying in centrifuges or filter presses. The sludge liquor thus obtained passes through the cleaning process of the WWTP once again. A level detector controls the pumps in the filter water tank to prevent overflowing. The discharge of the dewatered sludge is controlled by a point level sensor.

[More details](#)



### VEGASWING 63

Point level detection in the filter water tank for pump control

- Reliable point level switching, even with changing water composition
- Adjustment-free and easy to install
- Maintenance-free operation

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### VEGACAP 65

Full signal for detecting the filter cake during discharge

- Reliable point level detection, even with adhesive media
- Simple sensor installation and adjustment
- Maintenance and wear free operation

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### VEGATOR 121

Single channel controller for level detection

- Comprehensive monitoring detects short-circuit and line break of the measuring cable and interferences in the sensor
- Simple and comfortable SIL and WHG function test by means of test key
- Simple installation through carrier rail mounting as well as detachable, coded terminals

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### VEGATOR 141

Double channel signal conditioning instrument for level detection

- Simple adjustment of the switching point through a potentiometer
- Clearly visible switching status via LED
- Simple installation through carrier rail mounting as well as detachable, coded terminals

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## VEGASWING 63

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**Process temperature**  
-50 ... 250 °C

**Process pressure**  
-1 ... 64 bar

**Version**  
Standard  
Hygienic applications  
with gas-tight leadthrough  
with tube extension  
with temperature adapter

**Materials, wetted parts**  
PFA  
316L  
Alloy C22 (2.4602)  
Alloy 400 (2.4360)  
ECTFE  
Enamel

**Threaded connection**  
≥ G $\frac{3}{4}$ , ≥  $\frac{3}{4}$  NPT

**Flange connection**  
≥ DN25, ≥ 1"

**Hygienic fittings**  
Clamp ≥ 1" - DIN32676, ISO2852  
Slotted nut ≥ 1½", ≥ DN40 - DIN 11851  
Varivent ≥ DN25  
hygienic fitting F40 with compression nut  
SMS 1145 DN51  
SMS DN38  
Hygienic fittings ≥ DN25 - DIN11864-1-A  
Hygienic flange connection DIN11864-2-A;  
DN60(ISO)ø60,3  
SMS socket piece DN38 PN6

**Seal material**  
no media contact

**Housing material**  
Plastic  
Aluminium  
Stainless steel (precision casting)  
Stainless steel (electropolished)

**Protection rating**  
IP66/IP67  
IP66/IP68 (1 bar)  
IP65

PRO

## VEGACAP 65

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**Measuring range - Distance**  
-

**Process temperature**  
-50 ... 200 °C

**Process pressure**  
-1 ... 64 bar

**Version**  
Cable ø 6 mm with screening tube without weight  
Cable ø 6 mm with screening tube and gravity weight  
Cable ø 6 mm with gravity weight  
Cable ø 8 mm with abrasion protection without weight  
Cable ø 8 mm with abrasion protection and gravity weight  
Cable ø 8 mm with gravity weight  
PA cable ø 12 mm with screening tube and gravity weight

**Materials, wetted parts**  
PTFE  
316L  
PA  
PEEK  
Steel

**Threaded connection**  
≥ G1, ≥ 1 NPT

**Flange connection**  
≥ DN50, ≥ 2"

**Housing material**  
Plastic  
Aluminium  
Stainless steel (precision casting)  
Stainless steel (electropolished)

**Protection rating**  
IP66/IP68 (0,2 bar)  
IP66/IP67  
IP66/IP68 (1 bar)

**Output**  
Relay (DPDT)  
Contactless electronic switch  
Transistor (NPN/PNP)  
Two-wire

## VEGATOR 121

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**Protection rating**  
IP20

**Input**  
1 x sensor input two-wire 8/16 mA

**Output**  
1 x operating relay (SPDT)  
Optionally 1 x fail safe relay output (SPDT)

**Ambient temperature**  
-20 ... 60 °C

**Signal input (specify)**  
Two-wire 8/16 mA

**Signal output (specify)**  
Operating relay  
Fail safe relay

**VEGATOR 141**  
[Show Product](#)



**Protection rating**

IP20

**Input**

1 x 4 ... 20 mA sensor input

**Output**

1 x operating relay (SPDT)

Optionally 1 x fail safe relay output (SPDT)

**Ambient temperature**

-20 ... 60 °C

**Signal input (specify)**

4 ... 20 mA

**Signal output (specify)**

Operating relay

Fail safe relay