Reliable

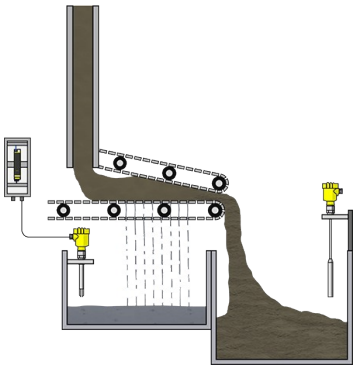
Reliable monitoring of the dewatering process

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 overfilling. 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

Show Product

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

Show Product

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

Show Product

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

Show Product

PRO

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
≥ G¾, ≥ ¾ NPT

Flange connection
≥ DN25, ≥ 1"

Hygenic 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