



Sludge dewatering

Reliable

Reliable monitoring of the dewatering process

Cost effective

Optimal operation of the equipment

User friendly

Robust, maintenance-free sensor technology

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.



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



VEGACAP 66

Full signal for detecting the filter cake during discharge

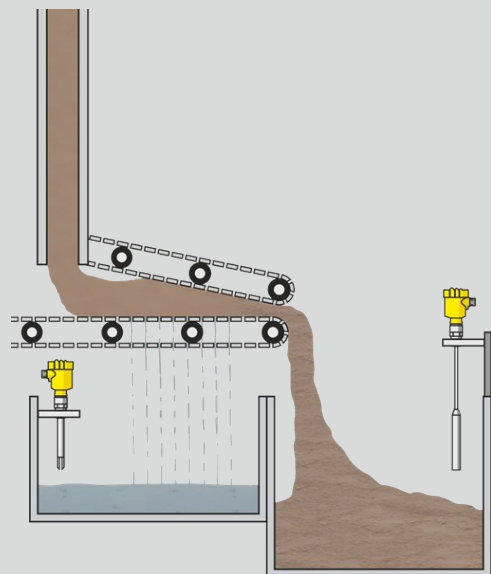
- Reliable point level detection, even with adhesive media
- Simple sensor installation and adjustment
- Maintenance and wear free operation



VEGATOR 142

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





| VEGASWING 63 | VEGACAP 66 | VEGATOR 142 |
|--|--|---|
| Process temperature -50 ... 250 °C | Process temperature -50 ... 150 °C | Protection rating IP 20 |
| Process pressure -1 ... 64 bar | Process pressure -1 ... 40 bar | Input 2 x 4 ... 20 mA sensor input |
| Version Standard Hygienic applications with gas-tight leadthrough with tube extension with temperature adapter | Version PTFE insulated cable ø 8 mm with gravity weight PTFE-insulated cable ø 8 mm with gravity weight and screening tube | Output 2 x operating relay (SPDT) |
| Materials, wetted parts PFA 316L Alloy C22 (2.4602) Alloy 400 (2.4360) ECTFE Enamel | Materials, wetted parts PTFE 316L Steel C22.8 | Ambient temperature -20 ... 60 °C |
| Threaded connection ≥ G¾, ≥ ¾ NPT | Threaded connection ≥ G1, ≥ 1 NPT | Signal input (specify) 4 ... 20 mA |
| Flange connection ≥ DN25, ≥ 1" | Flange connection ≥ DN40, ≥ 1½" | Signal output (specify) Operating relay |
| 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 | |
| Seal material no media contact | Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished) | |
| Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished) | Protection rating IP 66/IP 68 (0.2 bar) IP 66/IP 67 IP 66/IP 68 (1 bar) | |
| Protection rating IP 66/IP 67 IP 66/IP 68 (1 bar) IP 65 | Output Relay (DPDT) Contactless electronic switch Transistor (NPN/PNP) Two-wire | |