



## VEGASWING 61



### Vibrating level switch for liquids

#### Application area

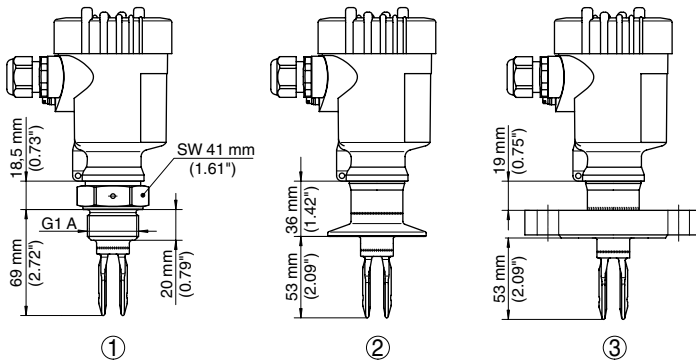
The VEGASWING 61 universal level switch is used in liquids. It detects reliably and with a precision of up to a millimetre if a level is reached. It can be mounted in vessels and pipelines independent of the installation position. The instrument can be used as fully or empty alarm, as approved overflow protection, dry run protection or pump control.

#### Advantages

- Setup without adjustment
- Product-independent switching point
- Very high reproducibility
- Wear and maintenance-free
- SIL qualified

#### Function

The tuning fork is energized via the piezo drive to vibrate on its resonance frequency. The frequency of the fork reduces when being covered with medium. This frequency change is processed by the integrated electronics and converted into a switching command. To ensure a secure and reliable fastening of the piezo drive, an optimised screw connection is used.



- 1 Threaded version G1 A
- 2 Tri-Clamp version
- 3 Flange version

**Approval**

- XX** without .....
- XA** Overfill protection according to WHG .....
- CA** ATEX II 1G, 1/2G, 2G Ex ia IIC T6 + WHG .....
- DA** ATEX II 1/2G, Ex d IIC T2...T6 + WHG .....
- CM** ATEX II 1G, 1/2G, 2G Ex ia IIC T6 + Ship approval .....
- DM** ATEX II 1/2G, Ex d IIC T2...T6 + Ship approval .....
- CI** IECEx Ex ia IIC T6 .....
- DI** IEC Ex Ex d IIC T6...T2 Ga/Gb .....
- XM** Ship approval .....

**Process fitting / Material**

- GBV** Thread G $\frac{3}{4}$  (DIN 3852-A) PN64 / 316L .....
- NBV** Thread  $\frac{3}{4}$ NPT (ASME B1.20.1) PN64 / 316L .....
- GAV** Thread G1 (DIN 3852-A) PN64 / 316L .....
- NAV** Thread 1NPT (ASME B1.20.1) PN64 / 316L .....
- CCN** Tri-Clamp 1" PN16 / 316L Ra<0.3 $\mu$ m .....
- CCP** Tri-Clamp 1" PN16 / 316L Ra<0.8 $\mu$ m .....
- CAN** Tri-Clamp 2" PN16 / 316L Ra<0.3 $\mu$ m .....
- CAP** Tri-Clamp 2" PN16 / 316L Ra<0.8 $\mu$ m .....
- RAN** Bolting DN40PN40 DIN11851 / 316L Ra<0.3 $\mu$ m .....
- RAP** Bolting DN40PN40 DIN11851 / 316L Ra<0.8 $\mu$ m .....
- FPV** Flange DN25PN40 Form C, DIN 2501 / 316L .....
- FPH** Flange DN25PN40 Form C, DIN 2501 / ECTFE .....
- FEV** Flange DN50PN40 Form C, DIN 2501 / 316L .....
- FEH** Flange DN50PN40 Form C, DIN 2501 / ECTFE .....
- FEF** Flange DN50PN40 Form C, DIN 2501 / PFA .....
- FPS** Flange DN25PN40 Form B1, EN 1092-1/enamel .....
- FES** Flange DN50PN40 Form B1, EN 1092-1/enamel .....
- APV** Flange 1" 150lb RF, ANSI B16.5 / 316L .....
- APH** Flange 1" 150lb RF, ANSI B16.5 / ECTFE .....
- APE** Flange 1" 150lb RF, ANSI B16.5 / enamel .....
- ACV** Flange 2" 150lb RF, ANSI B16.5 / 316L .....
- ACH** Flange 2" 150lb RF, ANSI B16.5 / ECTFE .....
- ACE** Flange 2" 150lb RF, ANSI B16.5 / enamel .....

**Adapter / Process temperature**

- X** without / -50...150°C .....
- T** with / -50...250°C .....
- G** with gas-tight leadthrough / -50...150°C .....
- D** with gas-tight leadthrough / -50...250°C .....

**Housing / Cable gland**

- P** Plastic IP66/67 / M20x1.5 .....
- M** Aluminium IP66/IP67 / M20x1.5 .....
- U** Aluminium IP66/IP67 /  $\frac{1}{2}$ NPT .....
- 8** StSt (electropolished) 316L / IP66/IP67 / M20x1.5 .....

**Electronics**

- C** Contactless electronic switch 20...250VAC/DC .....
- R** Relay (DPDT) 20...72VDC/20...250VAC (3A) .....
- T** Transistor (NPN/PNP) 10...55VDC .....
- Z** Two-wire 8/16 mA 12...36VDC .....
- N** NAMUR signal .....

**Switching point**

- X** Standard .....
- L** as SWING81 or 81A .....

SWING61.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.