

Switching – Vibration



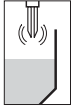
www.vegaswing.com

Contents	Page
Overview	64
VEGASWING 61 and 63	66 ff.
VEGASWING 71A.....	70
VEGAVIB 31 ... 53	72 ff.
Signal conditioning instruments	78 f.
Dimensions	80 ff.

VEGASWING:

Versatile use in liquids

The piezo drive is the heart of VEGASWING, actuating the tuning fork on its resonance frequency. The frequency of the fork falls when being immersed. The frequency change is processed by the integrated oscillator and converted into a switching command. The piezo drive is screwed to ensure reliability and ruggedness. With the tuning fork of only 40 mm length, VEGASWING 60 works reliably in all liquids and mounting locations. Pressure, temperature, foam and bubbles and even viscosity do not affect the switching accuracy. Even pipelines with a nominal width of DN 25 are no problem.



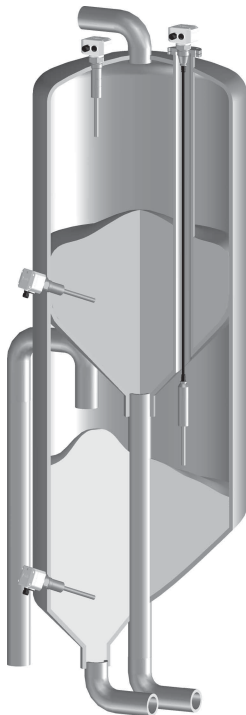
VEGASWING 60 is the universal level switch for all applications.



VEGAVIB:

Reliable switching in solids

The vibrating rod of VEGAVIB is actuated via piezoceramic elements. If the vibrating rod is immersed, the amplitude will be damped. The amplitude change is processed by the integrated oscillator and converted into a switching command. Due to the rod design, it is nearly impossible for material, e.g. granules, to get wedged in. Typical applications are overflow or dry run protection systems, e.g. in flour, milk powder, sand, cement, plastic granules, styrofoam and down feathers. Even products with a specific gravity up to 0.015 g/cm^3 (15 g/l) can be measured. An adjustment with medium is not necessary as the mounting location and the granulation size do not affect the measurement.

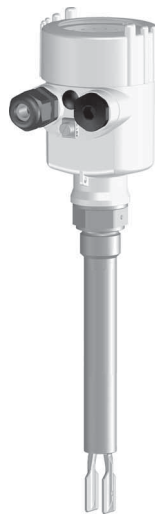


Overview

VEGASWING 61



VEGASWING 63



VEGASWING 71A



Applications:	Switching in liquids	Switching in liquids	Switching in liquids
Version:	Standard version	with tube extension up to 4 m	Standard version
Material:	1.4435 (316L) Hastelloy; enamel; ECTFE	1.4435 (316L) Hastelloy; enamel; ECTFE	1.4435 (316L)
Process connection:	from G $\frac{3}{4}$ A	from G $\frac{3}{4}$ A	G1A; 1 NPT

VEGAVIB 31



**VEGAVIB 41
VEGAVIB 51**



VEGAVIB 52



**VEGAVIB 43
VEGAVIB 53**

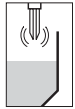


Applications:	Switching in solids	Switching in solids	Switching in solids	Switching in solids
Version:	Standard version	Standard version	with suspension cable up to 25 m	with tube extension up to 4 m
Process connection:	G1A	VEGAVIB 41: G1A VEGAVIB 51: from G1 $\frac{1}{2}$ A	from G1 $\frac{1}{2}$ A	VEGAVIB 43: G1A VEGAVIB 53: from G1 $\frac{1}{2}$ A

VEGASWING 61**Compact vibrating level switch for liquids**

For universal use as overfill or dry run protection system

- setup without adjustment
- screwed piezo drive
- very high reproducibility
- product-independent switching point
- wear and maintenance-free



Tuning fork length	: 40 mm
Viscosity	: 0.1...10.000 mPa · s
Density	: from 0.5 g/cm ³

www.vegaswing.com

Approval

- XX** without
- XA** Overfill protection acc. to WHG
- CA** ATEX II 1G, 1/2G EEx ia IIC T6 + WHG + AK3 ¹⁾
- CB** ATEX II 1G, 1/2G EEx ia IIC T6 + WHG ²⁾
- DA** ATEX II 1/2G EEx d IIC T6 + WHG ³⁾
- CM** ATEX II 1G, 1/2G EEx ia IIC T6 + ship approval
- DM** ATEX II 1/2G EEx d IIC T6 + ship approval ³⁾
- XM** Ship approval
- CU** FM Zone 0 Division 1 intrinsically safe ⁴⁾
- XU** FM Zone 2 Division 2

Process connection/Material/Transmitter

- GBV** Thread G³/₄A PN64/1.4435/1.4435(316L)
- GBA** Thread G³/₄A PN64/2.4610/2.4610(Hastelloy C4)
- NBV** Thread ³/₄NPT PN64/1.4435/1.4435(316L)
- GAV** Thread G1A PN64/1.4435/1.4435(316L)
- NAV** Thread 1NPT PN64/1.4435/1.4435(316L)
- CCP** Tri-Clamp 1" PN16/1.4435/1.4435(316L) pol. Ra<0,8µm
- RAP** Bolting DN40PN40/1.4435/1.4435(316L) pol. Ra<0,8µm
- TAP** Tuohenhagen Varivent PN25/1.4435/1.4435 pol.Ra<0,8µm
- FPV** Flange DN25PN40 Form C/1.4435/1.4435/(316L)
- FPH** Flange DN25PN40 Form C/1.4435/1.4435 ECTFE-coated ⁵⁾
- FPE** Flange DN25PN40 Form C/enam. steel/Hast.C4 enamelled ⁵⁾
- FEV** Flange DN50PN40 Form C/1.4435/1.4435(316L)
- FEH** Flange DN50PN40 Form C/1.4435/1.4435 ECTFE-coated ⁵⁾
- FEE** Flange DN50PN40 Form C/steel enam./Hast.C4 enamelled ⁵⁾
- APV** Flange 1"150lb ANSI/1.4435/1.4435(316L)
- APH** Flange 1"150lb ANSI/1.4435/1.4435(316L) ECTFE-coated ⁵⁾
- APE** Flange 1"150lb ANSI/enam. steel/Hast.C4 enamelled ⁵⁾
- ACV** Flange 2"150lb ANSI/1.4435/1.4435(316L)
- ACH** Flange 2"150lb ANSI/1.4435/1.4435 ECTFE-coated ⁵⁾
- ACE** Flange 2"150lb ANSI/Steel enam./Hast.C4 enamelled ⁵⁾

Adapter/Process temperature

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

Housing/Cable entry

- P** Plastic PBT IP66/67/M20x1,5
- M** Aluminium plastic coated IP66/IP67/M20x1,5
- U** Aluminium plastic coated IP66/IP67/¹/₂NPT
- V** Stainless steel 1.4435(316L) IP66/67/M20x1,5

Electronics

- C** Contactless electronic switch 20...250VAC/DC
- R** Double relay (DPDT) 20...72VDC/20...250VAC (5A)
- T** Floating transistor (NPN/PNP) 10...55VDC
- Z** Two-wire for connection to VEGATOR (12...36 VDC)
- N** NAMUR signal acc. to IEC 60947-5-6 (DIN 19234)

Sensor length

- X** Standard
- L** Switching point and process conn. as SWING81 or 81A ⁶⁾



¹⁾ Only in conjunction with electronics "Z"

²⁾ Only in conjunction with electronics "N"

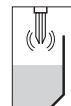
³⁾ Only in conjunction with housing "U"

⁴⁾ Only in conjunction with electronics "Z" and "N"

⁵⁾ Delivery time more than 5 working days

⁶⁾ Not in conjunction with thread G³/₄

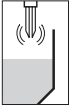
- **Material ECTFE:** only in conjunction with temperatures -50°C ... +150°C
- **Material enamel:** only in conjunction with temperatures -50°C ... +200°C; not with electronics "C" and "T"
- Further process connections upon request



VEGASWING 63**Vibrating level switch for liquids with tube extension**

For universal use as overfill or dry run protection system

- setup without adjustment
- screwed piezo drive
- very good reproducibility
- product-independent switching point
- wear and maintenance-free



Tuning fork length	: 40 mm
Viscosity	: 0.1...10.000 mPa · s
Density	: from 0.5 g/cm ³


www.vegaswing.com
**Approval**

- XX** without
- XA** Overfill protection acc. to WHG
- CA** ATEX II 1G, 1/2G EEx ia IIC T6 + WHG + AK3¹⁾
- CB** ATEX II 1G, 1/2G EEx ia IIC T6 + WHG²⁾
- DA** ATEX II 1/2G EEx d IIC T6 + WHG³⁾
- CM** ATEX II 1G, 1/2G EEx ia IIC T6 + ship approval
- DM** ATEX II 1/2G EEx d IIC T6 + ship approval³⁾
- XM** Ship approval
- CU** FM Zone 0 Division 1 intrinsically safe⁴⁾
- XU** FM Zone 2 Division 2

Continuation see next page

Process connection/Material/Transmitter

- GBV** Thread G $\frac{3}{4}$ A PN64/1.4435/1.4435(316L)
- GBA** Thread G $\frac{3}{4}$ A PN64/2.4610/2.4610(Hastelloy C4)
- NBV** Thread $\frac{3}{4}$ NPT PN64/1.4435/1.4435(316L)
- GAV** Thread G1A PN64/1.4435/1.4435(316L)
- NAV** Thread 1NPT PN64/1.4435/1.4435(316L)
- CCP** Tri-Clamp 1" PN16/1.4435/1.4435(316L) pol. Ra<0,8 μ m
- RAP** Bolting DN40PN40/1.4435/1.4435(316L) pol. Ra<0,8 μ m
- TAP** Tuchenhagen Varivent PN25/1.4435/1.4435 pol.Ra<0,8 μ m
- FPV** Flange DN25PN40 Form C/1.4435/1.4435/(316L)
- FPH** Flange DN25PN40 Form C/1.4435/1.4435 ECTFE-coated⁵⁾
- FPE** Flange DN25PN40 Form C/enam. steel/Hast.C4 enamelled⁵⁾
- FEV** Flange DN50PN40 Form C/1.4435/1.4435(316L)
- FEH** Flange DN50PN40 Form C/1.4435/1.4435 ECTFE-coated⁵⁾
- FEE** Flange DN50PN40 Form C/steel enam./Hast.C4 enamelled⁵⁾
- APV** Flange 1"150lb ANSI/1.4435/1.4435(316L)
- APH** Flange 1"150lb ANSI/1.4435/1.4435(316L) ECTFE-coated⁵⁾
- APE** Flange 1"150lb ANSI/enam. steel/Hast.C4 enamelled⁵⁾
- ACV** Flange 2"150lb ANSI/1.4435/1.4435(316L)
- ACH** Flange 2"150lb ANSI/1.4435/1.4435 ECTFE-coated⁵⁾
- ACE** Flange 2"150lb ANSI/Steel enam./Hast.C4 enamelled⁵⁾

Adapter/Process temperature

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

Housing/Cable entry

- P** Plastic PBT IP66/67/M20x1,5
- M** Aluminium plastic coated IP66/IP67/M20x1,5
- U** Aluminium plastic coated IP66/IP67/ $\frac{1}{2}$ NPT
- V** Stainless steel 1.4435(316L) IP66/67/M20x1,5

Electronics

- C** Contactless electronic switch 20...250VAC/DC
- R** Double relay (DPDT) 20...72VDC/20...250VAC (5A)
- T** Floating transistor (NPN/PNP) 10...55VDC
- Z** Two-wire for connection to VEGATOR (12...36 VDC)
- N** NAMUR signal acc. to IEC 60947-5-6 (DIN 19234)



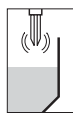
- ¹⁾ Only in conjunction with electronics "Z"
- ²⁾ Only in conjunction with electronics "N"
- ³⁾ Only in conjunction with housing "U"; L max. = 3000 mm
- ⁴⁾ Only in conjunction with electronics "Z" and "N"
- ⁵⁾ Delivery time more than 5 working days

Total length in mm

- per 100 mm of 1.4435
- per 100 mm of 1.4435, ECTFE coated
- per 100 mm of Hastelloy C4 (2.4610)
- per 100 mm of 1.4435, polished Ra <=0.8 μ m
- Add. price charged once:
- of 2.4610 (Hastelloy C4) enamelled (300, 400, 500, 600 mm) once
- of 2.4610 (Hastelloy C4) enamelled other length (150 ... 1500 mm) once

Length (L): mm (switching point + 13 mm) (min. 150 mm; max. 4000 mm)

- **Material ECTFE:** only in conjunction with temperatures -50°C ... +150°C
- **Material enamel:** only in conjunction with temperatures -50°C ... +200°C; not with electronics "C" and "T"
- Further process connections upon request



VEGASWING 71 A

Compact vibrating level switch for liquids

For universal use as overfill or dry run protection system

- setup without adjustment
- screwed piezo drive
- very high reproducibility
- product-independent switching point
- wear and maintenance-free

Tuning fork length : 100 mm
 Viscosity : 0.1...10.000 mPa · s
 Density : from 0.6 g/cm³



Approval

.X without

.A Overfill protection acc. to WHG

Process connection

GA Thread G1A/1.4571(316Ti)

NA Thread 1NPT/1.4571(316Ti)

Material

V 1.4571(316Ti) or 1.4581

Process temperature

X -40...150°C

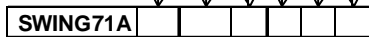
Housing/Connection

S 1.4571 with plug/IP66/IP67

Electronics

C Contactless electronic switch 20...250VAC/DC

T Floating transistor (NPN/PNP) 10...55VDC

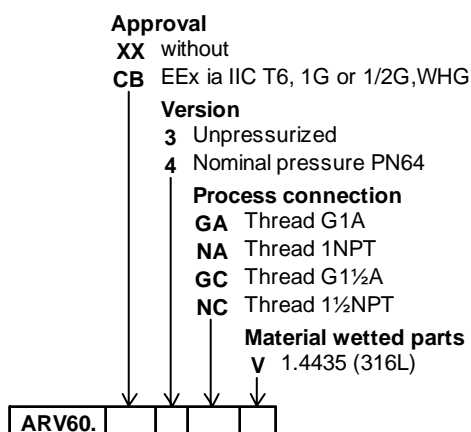
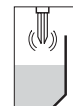


Accessory	Test magnet for function test,	article no. 2.20745
	Axial plug with 5 m fix connected cable for transistor output, protection IP 66/IP 67,	article no. 2.22588
	Axial plug with 5 m fix connected cable for contactless electronic switch mode (A) overfill protection, protection IP 66/IP 67,	article no. 2.22587
	Axial plug with 5 m fix connected cable for contactless electronic switch mode (B) dry run protection, protection IP 66/IP 67	article no. 2.26035

Welded sockets for VEGASWING 61, 63 and 71A

- for thread G¾A of 1.4435 with O-ring in front with welding marking for defined fork directing article no. GSTSW.GBE
- for thread G1A of 1.4435 with O-ring in front with welding marking for defined fork directing ¹⁾ article no. GSTSW.GAE
- for conus DN 25 of 1.4435 article no. 2.25066
- for conus M52 of 1.4435 article no. 2.25845
- welded socket G1 for VEGASWING 71A article no. GSTSW.G1E

Lock fitting (ARV) VEGASWING 63



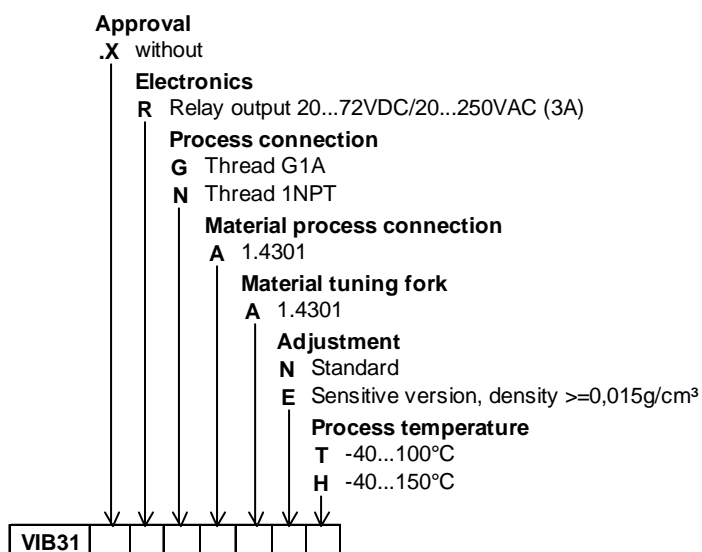
¹⁾ Welded socket G1A for VEGASWING 61 and 63 (GSTSW.GAE) not in conjunction with VEGASWING 61 with sensor length "L".

VEGA VIB 31

Compact vibrating level switch for fine-grained solids with tuning fork

For use as overfill protection system or empty signal

- easy setup without adjustment
- product-independent switching point
- wear and maintenance-free



VEGAVIB 41

Compact vibrating level switch for solids with vibrating rod

For universal use as overflow protection system or empty signal from 0.02 g/cm³

- optimum rod version avoids buildup and sticking material
- easy setup without adjustment
- product-independent switching point
- easy cleaning
- small mounting dimensions



Approval

.X without

Electronics

- C** Contactless electronic switch 20...250VAC/DC
- R** Relay output 20...72VDC/20...250VAC (3A)
- T** Floating transistor (NPN/PNP) 10...55VDC

Process connection

- G** Thread G1A
- N** Thread 1NPT
- C** Tri-Clamp 1½"

Material process connection

- V** 1.4571(316Ti)

Material vibrating rod

- V** 1.4571(316Ti)
- Q** 1.4571(316Ti) highly polished

Adjustment

- N** Standard

Process temperature

- T** -40...100°C
- H** -40...150°C

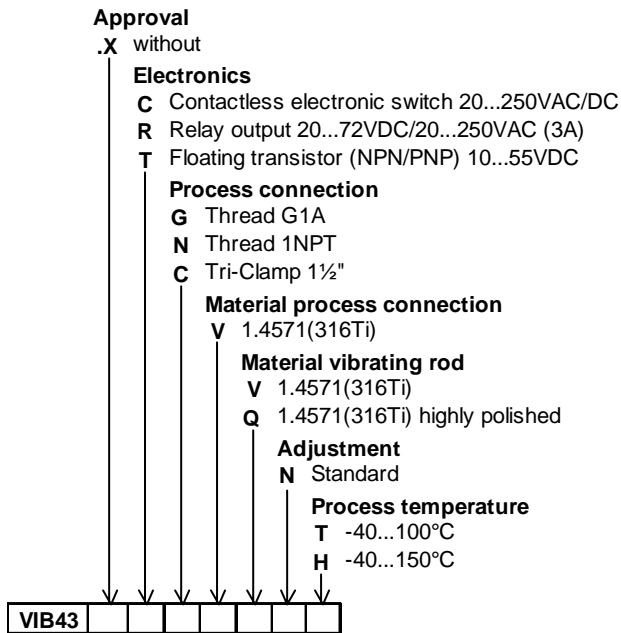
VIB41

VEGAVIB 43

Vibrating level switch for solids with vibrating rod and tube extension

For universal use as overflow protection system or empty signal from 0.02 g/cm³

- optimum rod version avoids buildup and sticking material
- easy setup without adjustment
- product-independent switching point
- easy cleaning
- wear and maintenance-free



Length in mm
 per 100 mm of 1.4571

Accessory Lock fitting G 1½ A of 1.4571,
 Lock fitting 1½ NPT of 1.4571,

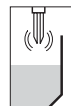
article no. ARV1.XGXV
 article no. ARV1.XNXV

VEGAVIB 51

Vibrating level switch for solids with vibrating rod

For universal use as overflow protection system or empty signal from 0.02 g/cm³

- optimum rod version avoids buildup and sticking material
- easy setup without adjustment
- product-independent switching point
- easy cleaning
- wear and maintenance-free



Approval

- .X without
- EX.X ATEX II 1G, 1/2G, 2G EEx ia IIC T6¹⁾
- EX.K ATEX II 1G, 1/2G, 2G EEx ia IIC T6 + ATEX II 1/2D IP65T³⁾
- EX.S.X ATEX II 1/2D IP65T²⁾
- .U FM Division II¹⁾
- EX.U FM Division I intrinsically safe

Electronics

- C Contactless electronic switch 20...250VAC/DC
- R Relay output 20...72VDC/20...250VAC (3A)
- T Floating transistor (NPN/PNP) 10...55VDC
- Z Two-wire for connection to VEGATOR (12...36VDC)

Process connection

- G Thread G1½A
- N Thread 1½NPT
- T Tri-Clamp 2"
- C Tri-Clamp 2½"

Material process connection

- A 1.4301
- K Plastic⁴⁾

Material vibrating rod

- A 1.4301
- P 1.4301 highly polished

Adjustment

- N Standard
- W For detection of solids in water

Process temperature

- T -40...100°C
- H -40...150°C (with temperature adapter)

Housing

- K Plastic PBT IP66
- A Aluminium plastic coated IP66

VIB51									
-------	--	--	--	--	--	--	--	--	--

¹⁾ Only in conjunction with electronics "Z"

²⁾ Only in conjunction with housing "A"

³⁾ Only in combination with electronics "Z" and housing "A"

⁴⁾ Only in conjunction with process connection "G"

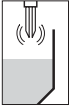
- **Adjustment "W"**: product temperature H: in conjunction with material process connection of 1.4301; delivery time: more than 5 working days

VEGAVIB 52

Vibrating level switch for solids with vibrating rod and suspension cable extension

For universal use as overflow protection system or empty signal from 0.02 g/cm³

- optimum rod version avoids buildup and sticking material
- easy setup without adjustment
- product-independent switching point
- easy cleaning
- wear and maintenance free



Approval

- .X without
- EX.X ATEX II 1G, 1/2G, 2G EEx ia IIC T6¹⁾
- EX.K ATEX II 1G, 1/2G, 2G EEx ia IIC T6 + StEx Zone 10²⁾
- .U FM Division II
- EX.U FM Division I intrinsically safe

Electronics

- C Contactless electronic switch 20...250VAC/DC
- R Relay output 20...72VDC/20...250VAC (3A)
- T Floating transistor (NPN/PNP) 10...55VDC
- Z Two-wire) for connection to VEGATOR (12...36VDC)

Process connection

- G Thread G 1½A
- N Thread 1½NPT

Material process connection/Cable entry

- A 1.4301/1.4301
- K Plastic/Plastic³⁾

Material vibrating rod

- A 1.4301
- P 1.4301 highly polished

Carry out adjustment

- N Standard
- W For detection of solids in water

Process temperature

- T -40...80°C

Housing of

- K Plastic PBT IP66
- A Aluminium plastic coated IP66

VIB52

- ¹⁾ Only in conjunction with electronics "Z"
- ²⁾ Only in combination with electronics "Z" and housing "A"
- ³⁾ Only in conjunction with process connection "G"

Total length L in mm (min. 600 mm; max. 20000 mm)
per 1000 mm of PUR

- **Adjustment "W"**: in conjunction with material process connection of 1.4301; delivery time: more than 5 working days

VEGAVIB 53

Vibrating level switch for solids with vibrating rod and tube extension

For universal use as overflow protection system or empty signal from 0.02 g/cm³

- optimum rod version avoids buildup and sticking material
- easy setup without adjustment
- product-independent switching point
- easy cleaning
- wear and maintenance-free



Approval

- .X without
- EX.X ATEX II 1G, 1/2G, 2G EEx ia IIC T6¹⁾
- EX.K ATEX II 1G, 1/2G, 2G EEx ia IIC T6 + ATEX II 1/2D IP65T³⁾
- EX.S.X ATEX II 1/2D IP65T²⁾
- .U FM Division II
- EX.U FM Division I intrinsically safe

Electronics version

- C Contactless electronic switch 20...250VAC/DC
- R Relay output 20...72VDC/20...250VAC (3A)
- T Floating transistor (NPN/PNP) 10...55VDC
- Z Two-wire for connection to VEGATOR (12...36VDC)

Process connection

- G Thread G1½A
- N Thread 1½NPT
- T Tri-Clamp 2"
- C Tri-Clamp 2½"

Material process connection

- A 1.4301

Material vibrating rod

- A 1.4301
- P 1.4301 highly polished

Carry out adjustment

- N Standard
- W For detection of solids in water

Process temperature

- T -40...100°C
- H -40...150°C (with temperature adapter)

Housing of

- K Plastic PBT IP66
- A Aluminium plastic coated IP66



¹⁾ Only in conjunction with electronics "Z"

²⁾ Only in conjunction with housing "A"

³⁾ Only in combination with electronics "Z" and housing "A"

Total length L in mm (min. 300 mm; max. 4000 mm)
per 100 mm of 1.4301

Accessory Lock fitting G2A,

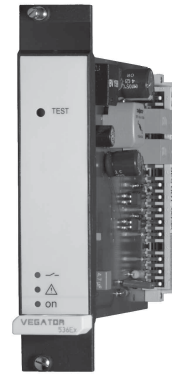
article no. ARV1.XCXV

VEGATOR 536 Ex

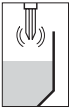
Single signal conditioning instrument for level signalling
 in 19" European size

For processing of vibrating level switches

- with adjustable integration time
- fault monitoring and fault signal
- with test key for function test acc. to WHG
- European size acc. to DIN 41494



Sensor input	: 1 x (vibrating level switch)
Relay output	: 1 x spdt
Transistor output	: 1 x
Fault signal	: 1 x relay and 1 x transistor
Switching hysteresis	: fixed
Protection	: IP30
Operating voltage	: 20...53V AC, 20...72V DC



Approval

- A** ATEX II (1) GD [EEx ia] IIC/IIB + WHG
- M** ATEX II (1) GD [EEx ia] IIC/IIB,ship appr. GL,LR,ABS

TOR536EX0.

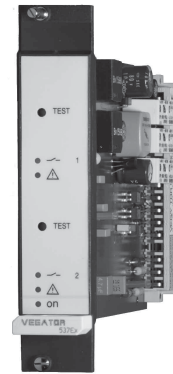
- Module for mounting into carrier and housing for single mounting see chapter "Signal conditioning instruments and communication"

VEGATOR 537 Ex

Double signal conditioning instrument for level signalling
 in 19" European size

For processing of vibrating level switches

- with adjustable integration time
- fault monitoring and fault signal
- with test key for function test acc. to WHG
- European size acc. to DIN 41494



Sensor input	: 2 x (vibrating level switches)
Relay output	: 2 x spdt
Transistor output	: 2 x
Fault signal	: 1 x relay and 1 x transistor
Switching hysteresis	: fixed
Protection	: IP30
Operating voltage	: 20...53V AC, 20...72V DC



Approval

- A** ATEX II (1) GD [EEx ia] IIC/IIB + WHG
- M** ATEX II (1) GD [EEx ia] IIC/IIB,ship appr. GL,LR,ABS

TOR537EX0.

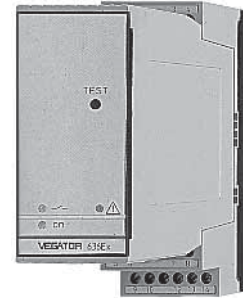
- Module for mounting into carrier and housing for single mounting see chapter "Signal conditioning instruments and communication"

VEGATOR 636 Ex

Single signal conditioning instrument for level signalling

For processing of vibrating level switches

- adjustable integration time
- fault monitoring and failure LED
- with test key for function test acc. to WHG
- mounting on carrier rail 35 x 7.5 acc. to EN 50022
- key for function test of the measuring chain acc. to WHG



Sensor input	: 1 x (vibrating level switch)
Relay output	: 1 x spdt
Transistor output	: 1 x
Switching hysteresis	: fixed
Protection	: IP20
Operating voltage	: 20...250V AC, 20...72V DC



Approval

- A** ATEX II (1) GD [EEx ia] IIC + WHG
- M** ATEX II (1) GD [EEx ia] IIC, ship approval GL,LR,ABS

Plug-in socket

- K** inclusive socket

TOR636EX0.

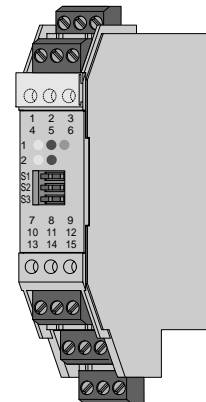
- Further level switches see chapter "Signal conditioning instruments and communication"

Amplifier NAMUR

NAMUR signal conditioning instrument for level signalling

For processing and supply of NAMUR sensors such as e.g. VEGASWING 61/63

- control circuit [EEx ia] IIC
- reversible reaction direction
- detachable terminals
- switching amplifier with NAMUR interface acc. to IEC 60947-5-6 or DIN 19234
- compact 20 mm housing for mounting on 35 mm standard rail EN 50022



Signal output	: relay changeover contact
Line monitoring	: fraction I < 0.1 mA

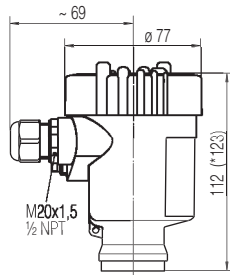
Amplifier version:

- A6-SR2-EX1.W** 1 channel, 230VAC, signal output: 1xspdt
- A6-SR2-EX2.W** 2 channels, 230VAC, signal output: 2xspdt
- D2-SR2-EX1.W** 1 channel, 24VDC, signal output: 1xspdt
- D2-SR2-EX2.W** 2 channels, 24VDC, signal output: 2xspdt

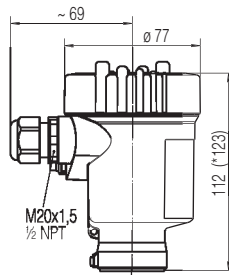
KF

VEGASWING 61

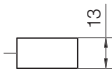
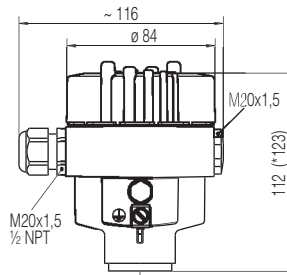
Plastic housing



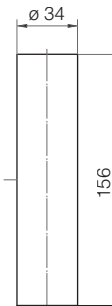
Stainless steel housing



Aluminium housing



Gas-tight bushing of 1.4435 (option), length with thread 37 mm



Temperature adapter of 1.4435 (option) in conjunction with thread L = 180 mm

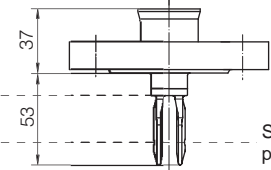
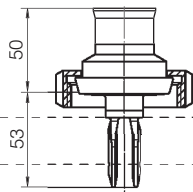
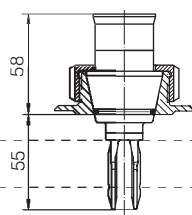
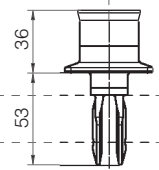
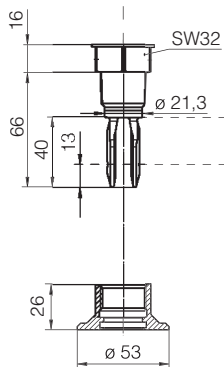
Thread
G¾A or ¼ NPT

Tri-Clamp 1½"

Conus DN 25

Bolting DN 40

Flange DN 25 PN 40

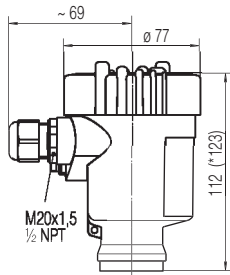


Switching point

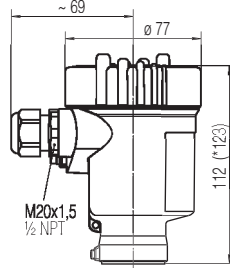
* with indication

VEGASWING 63

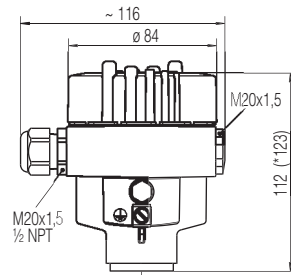
Plastic housing



Stainless steel housing



Aluminium housing



Gas-tight bushing of 1.4435 (option), length with thread 37 mm



Temperature adapter of 1.4435 (option) in conjunction with thread and flange enamelled L = 180 mm

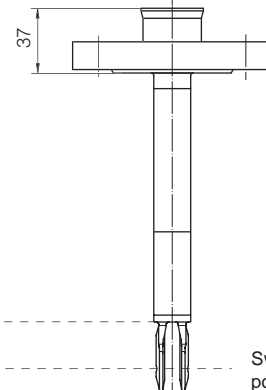
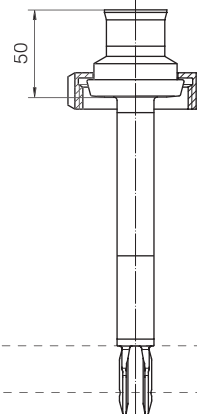
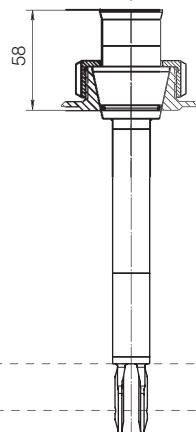
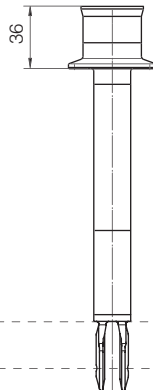
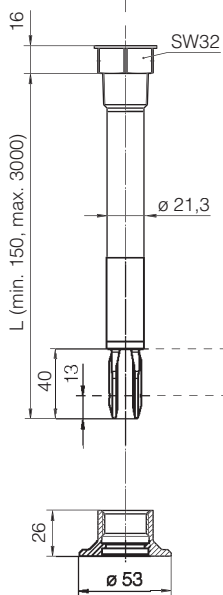
Thread
G $\frac{3}{4}$ A or $\frac{3}{4}$ NPT

Tri-Clamp 1½"

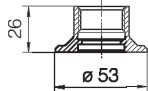
Conus DN 25

Bolting DN 40

Flange DN 25 PN 40



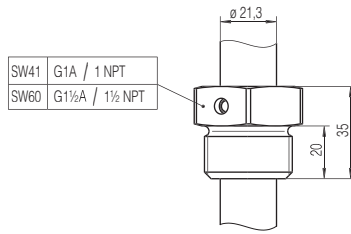
Switching point



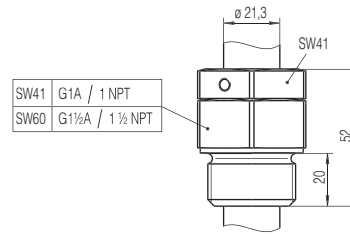
* with indication

Lock fittings

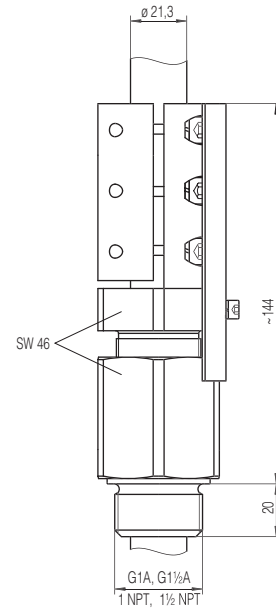
unpressurized ARV60.XX3



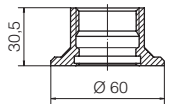
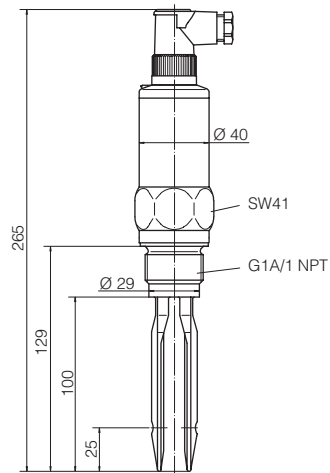
ARV60.CX3



ARV60.CB4



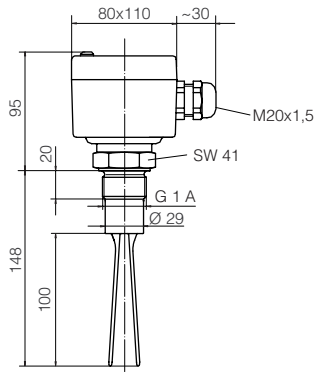
VEGASWING 71 A



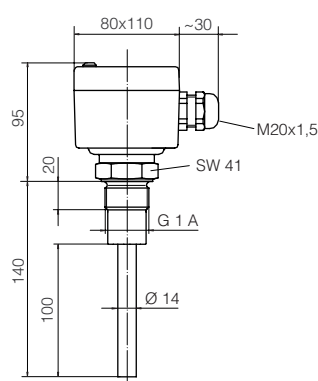
with welding mark

O-ring seal in front

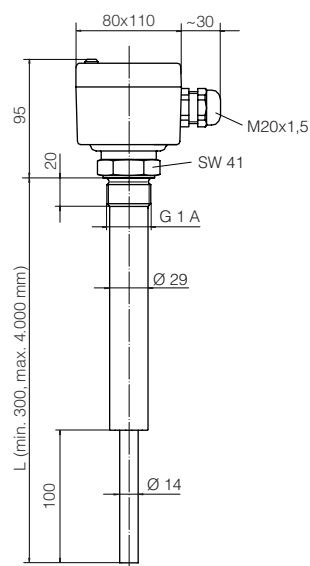
VEGAVIB 31



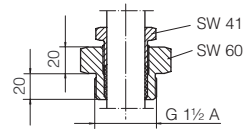
VEGAVIB 41



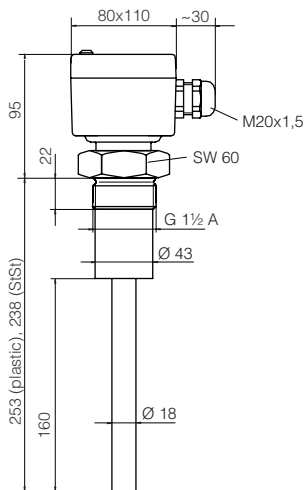
VEGVIB 43



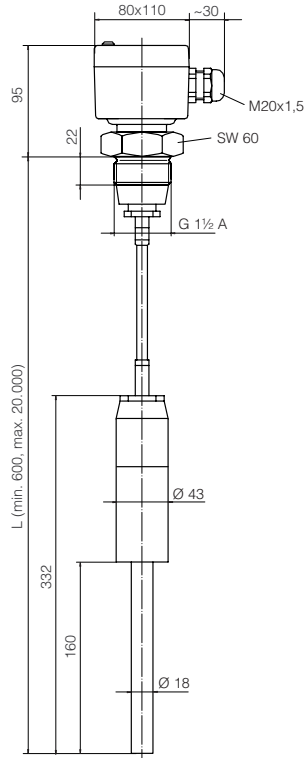
Lockfitting



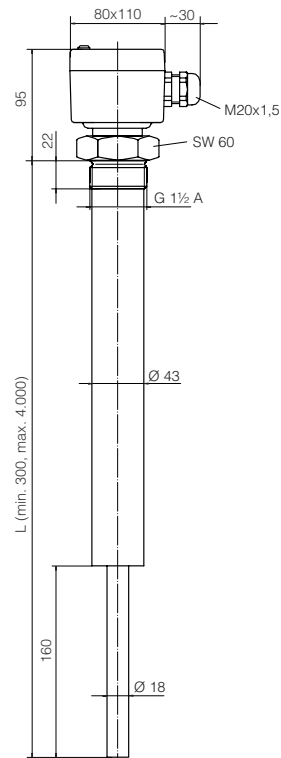
VEGAVIB 51



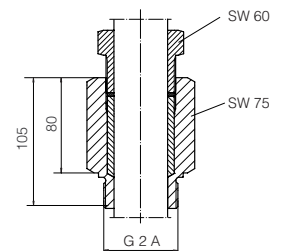
VEGAVIB 52



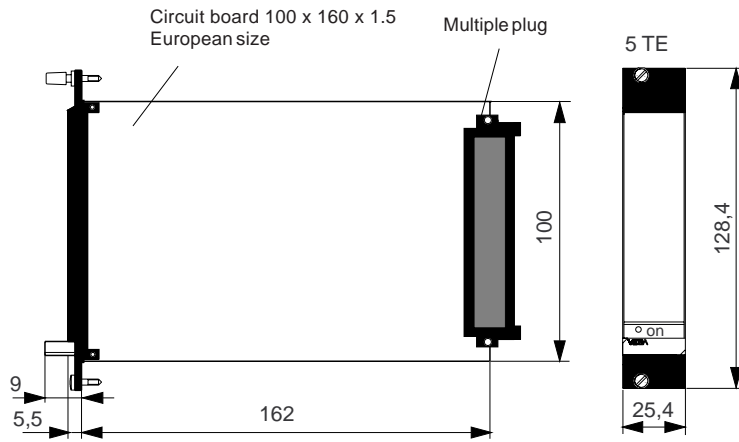
VEGAVIB 53



Lockfitting

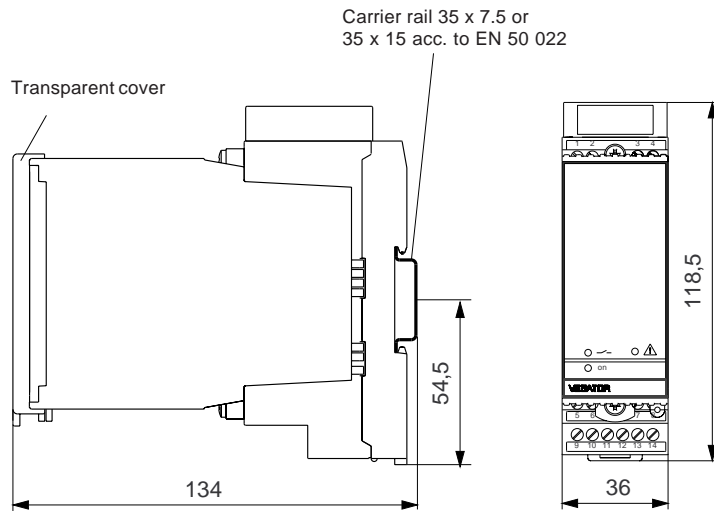


VEGATOR 536 Ex and VEGATOR 537 Ex



- Accessory see chapter "Signal conditioning instruments and communication"

VEGATOR 636 Ex



- Accessory see chapter "Signal conditioning instruments and communication"

NAMUR amplifier

