

Float level detector for hazardous areas (ATEX) NIVOSTOP EX



- For non-aggressive liquids
- For hazardous areas, zones 0, 1 and 2
- To install vertically
- Built-in counterweight
- Cable length: 10 m

APPLICATIONS

Level detection or level control in:

- Waste water
- Pump protection in sump
- Septic tanks

DESCRIPTION

When the level is rising up, the swelling of the float actuates an integrated switch (for remote signal to control room). Due to its built-in counterweight, the float can neither rise to the surface nor wrap close objects. The detector therefore remains immersed and switches in a small space.

TECHNICAL FEATURES

Temperature	-20 °C ... +80 °C
Protection	IP 68 / 2 bar / Max. 20 m immersion depth
Body	PP (convenient for hazardous area)
S.G. limits	0.95 ... 1.05
Switching angle	About 10°
Cable	TPK/ PVC, 4 x 0.75 mm ²
Cable length	10, 20 or 30 m
Dimensions	Ø 100 mm, height 180 mm

Agreement II 1G Ex ia IIC T6
ATEX Certificate SEV 13 ATEX 0138

Ex detection loop impedances

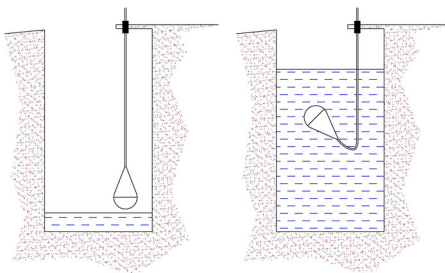
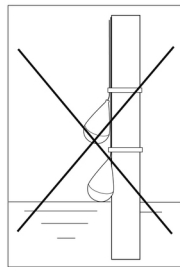
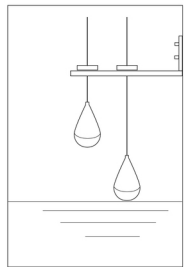
Current	$I_i \leq 100 \text{ mA}$
Voltage	$U_i \leq 40 \text{ V}$
Capacitance	$C_i \leq 0 \text{ nF} + 0,11 \text{ nF/m}$ (Connection cable)
Inductance	$L_i \leq 0 \text{ } \mu\text{H} + 0,35 \text{ } \mu\text{H/m}$ (Connection cable)

EC Conformity: The instrument meets the legal requirements of the current European Directives

For installation in hazardous area ATEX zones 0, 1 or 2, the use of an intrinsically safe relay is mandatory.

CODE NUMBERS AND REFERENCES

Code	Reference	Description	Mass (kg)
521 405	NIVOSTOP EX-5	NIVOSTOP® / EX - 5 m long cable	1.4
521 420	NIVOSTOP EX-20	NIVOSTOP® / EX - 20 m long cable	2.8
521 430	NIVOSTOP EX-30	NIVOSTOP® / EX - 30 m long cable	3.7



Installation

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NIVOSTOP EX

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